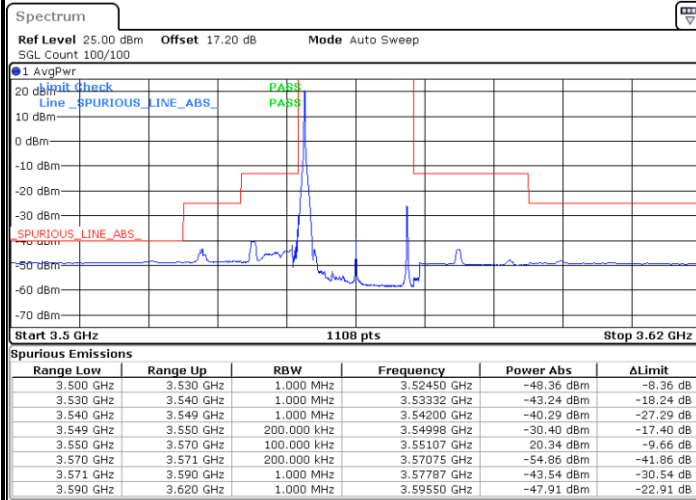




LTE Band 48 / 20MHz

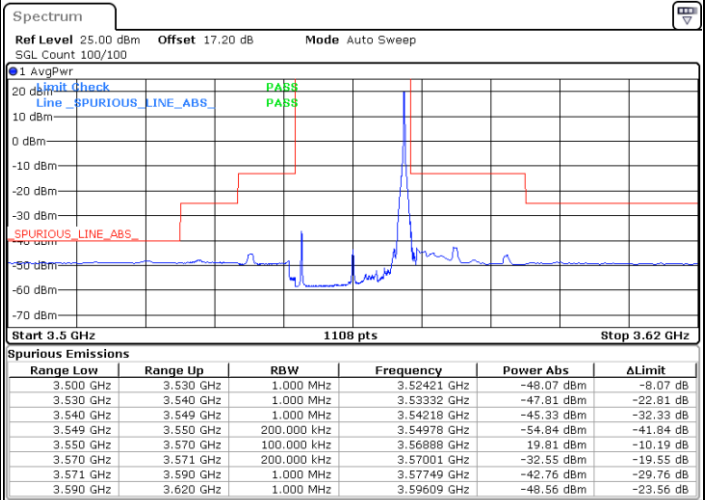
64QAM

Lowest Channel / 1RB0



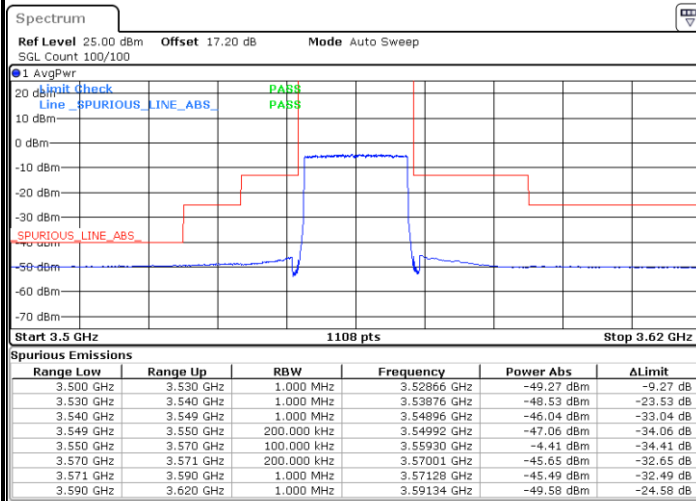
Date: 4.MAY.2022 21:14:23

Lowest Channel / 1RBmax



Date: 4.MAY.2022 21:23:05

Lowest Channel / FullIRB



Date: 24.JUN.2022 21:12:47

N/A

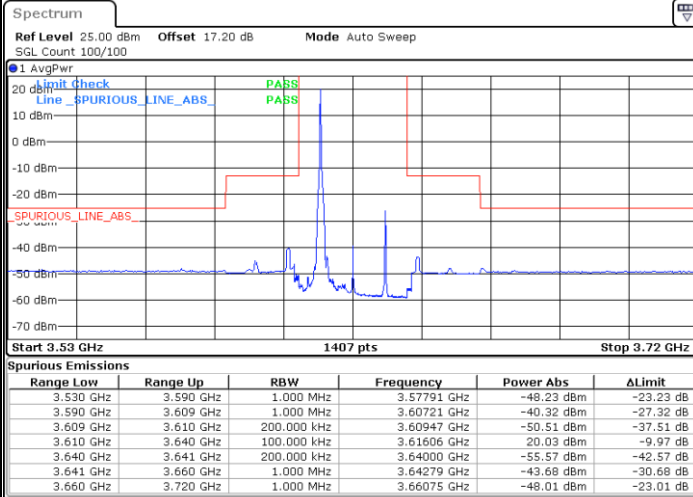


LTE Band 48 / 20MHz

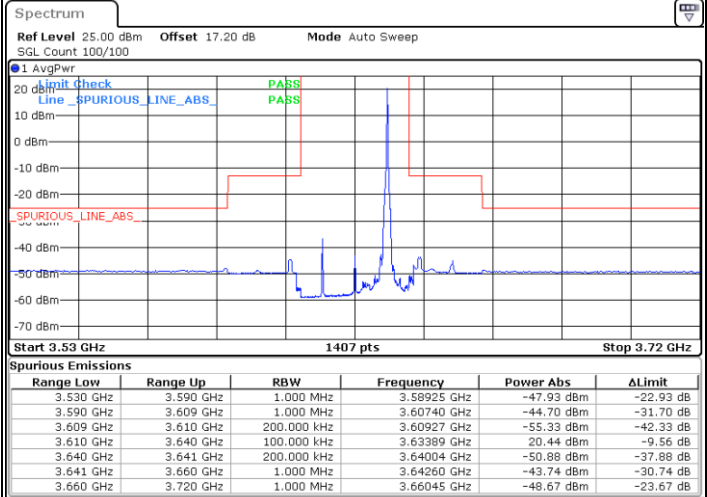
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



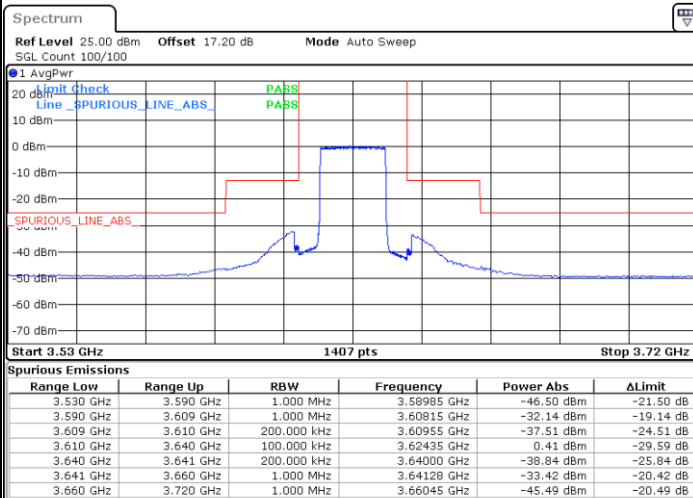
Date: 4.MAY.2022 21:19:13



Date: 4.MAY.2022 21:27:55

Middle Channel / FullRB

N/A



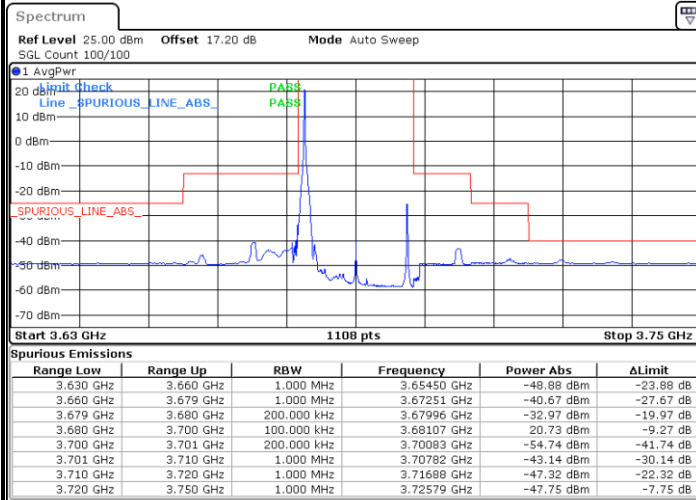
Date: 4.MAY.2022 21:10:31



LTE Band 48 / 20MHz

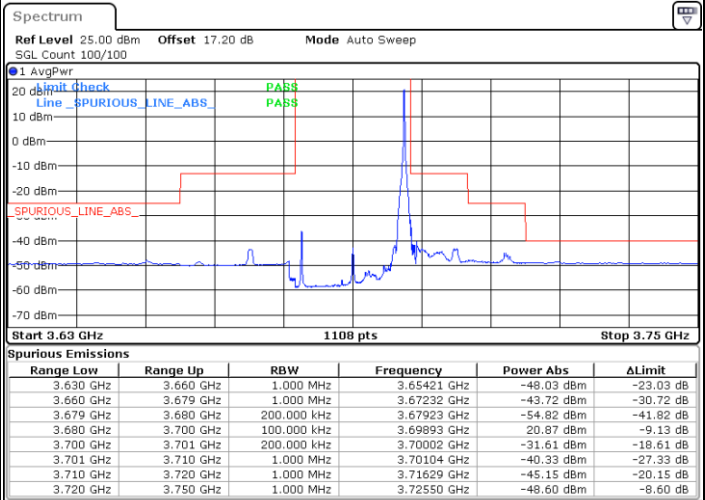
64QAM

Highest Channel / 1RB0



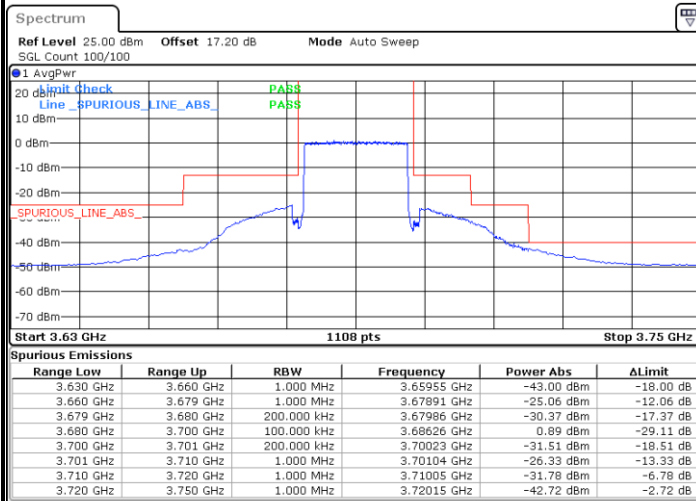
Date: 4.MAY.2022 21:20:10

Highest Channel / 1RBmax



Date: 4.MAY.2022 21:28:52

Highest Channel / FullIRB



Date: 4.MAY.2022 21:11:29

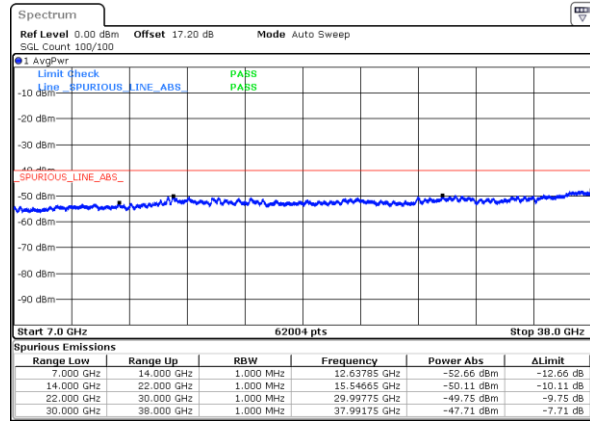
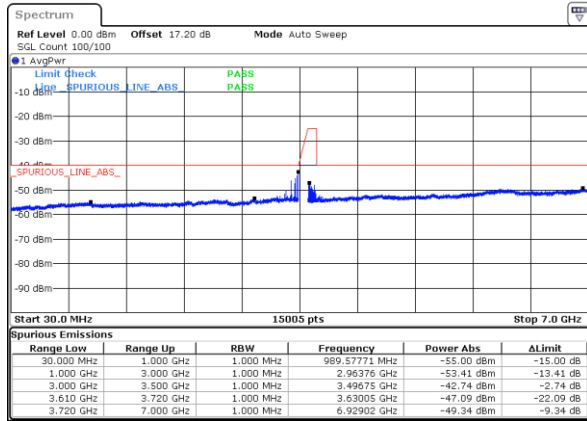
N/A



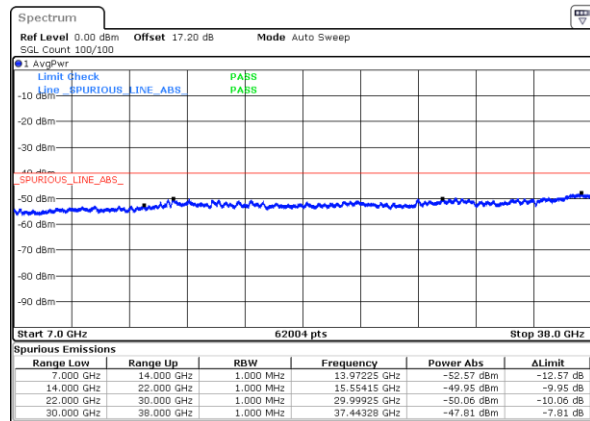
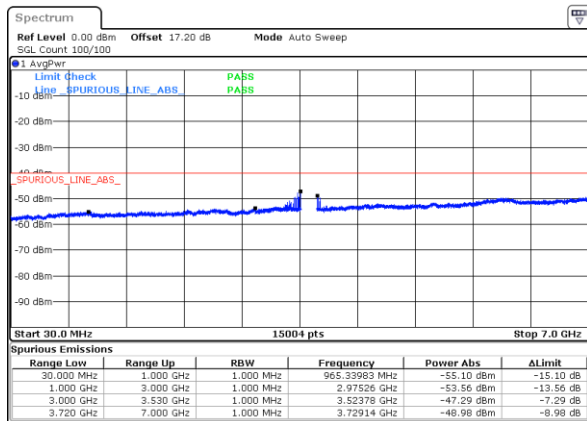
Conducted Spurious Emission

LTE Band 48 / 5MHz

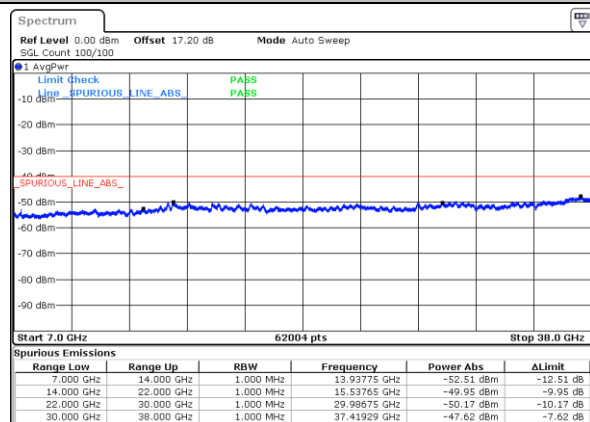
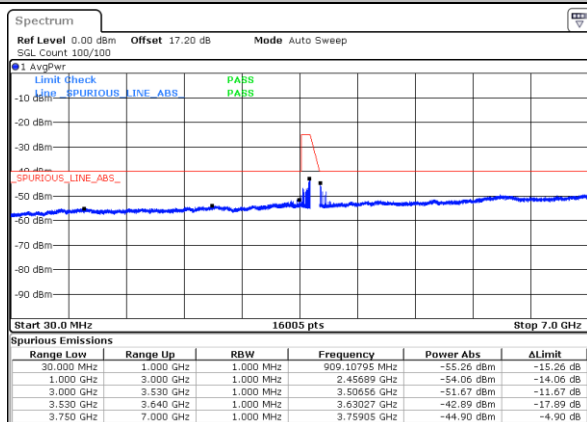
Lowest Channel / QPSK



Middle Channel / QPSK



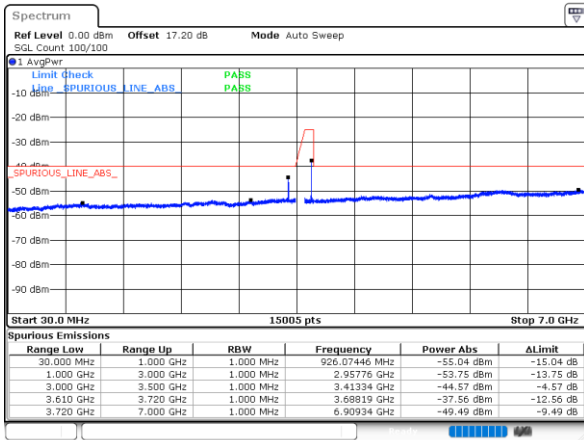
Highest Channel / QPSK



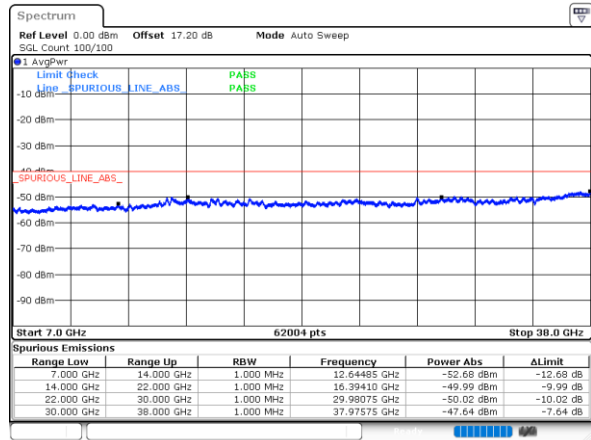


LTE Band 48 / 10MHz

Lowest Channel / QPSK

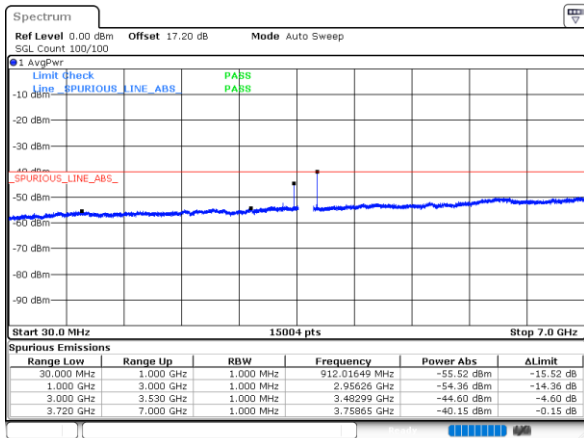


Date: 5.MAY.2022 00:08:25

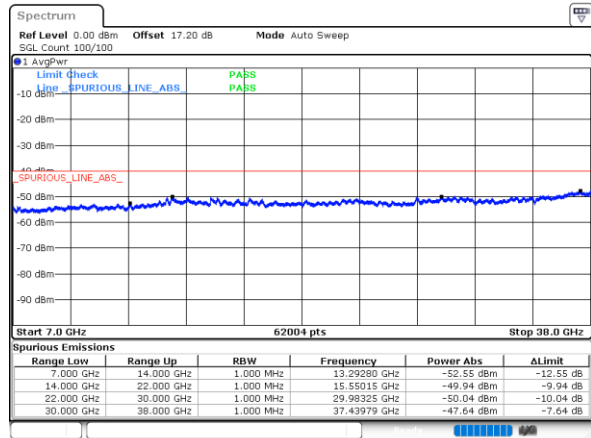


Date: 5.MAY.2022 01:27:26

Middle Channel / QPSK

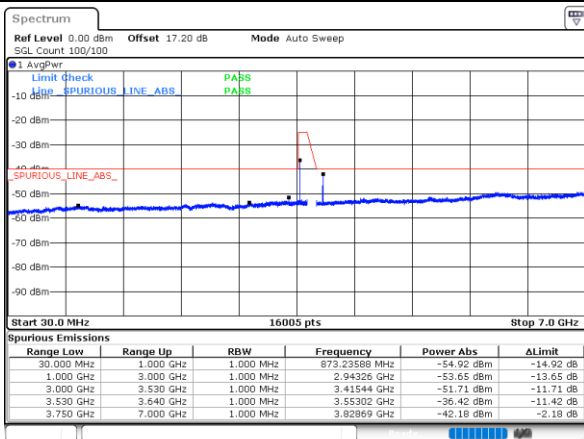


Date: 12.JUL.2022 09:48:55

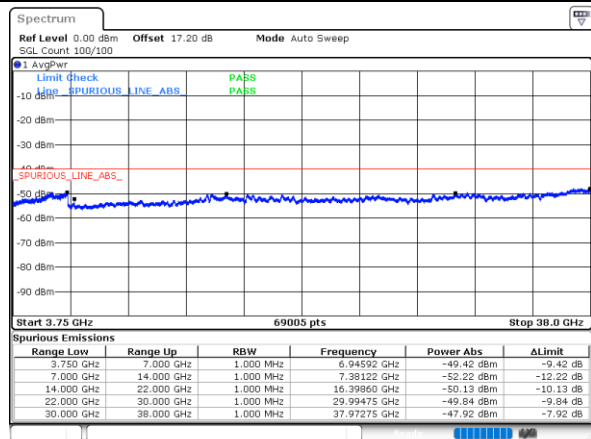


Date: 5.MAY.2022 01:28:54

Highest Channel / QPSK



Date: 5.MAY.2022 00:19:07

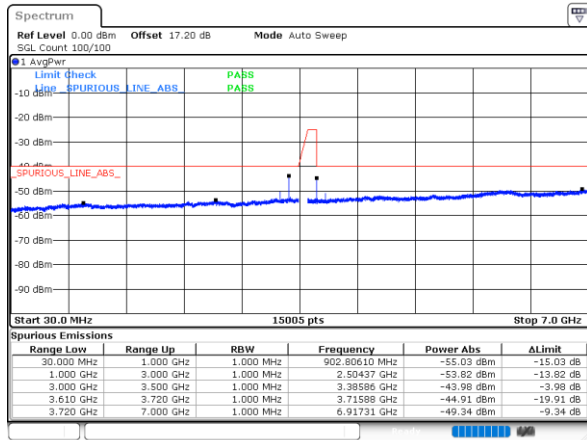


Date: 5.MAY.2022 01:30:22

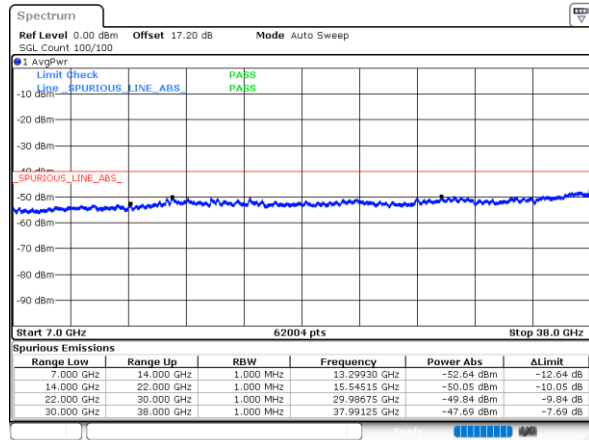


LTE Band 48 / 15MHz

Lowest Channel / QPSK

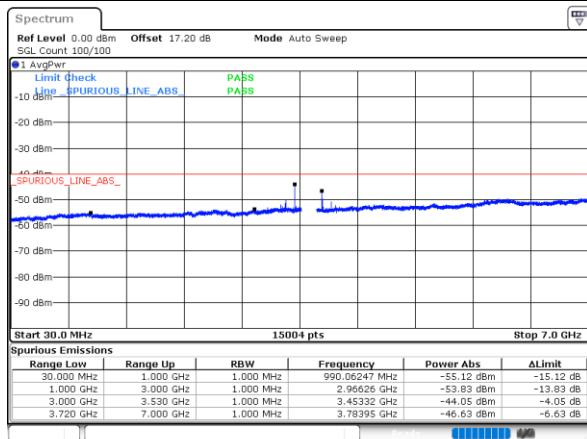


Date: 5.MAY.2022 00:20:40

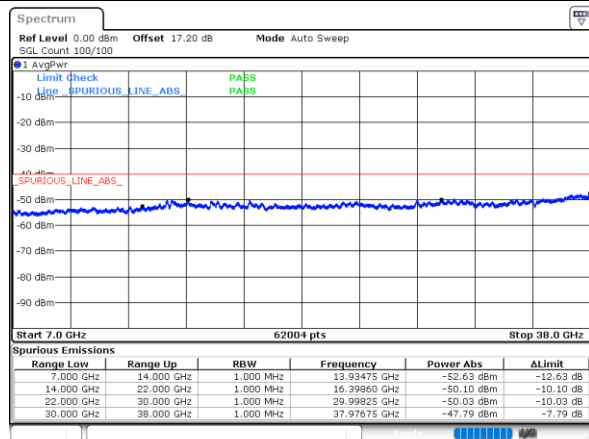


Date: 5.MAY.2022 01:31:55

Middle Channel / QPSK

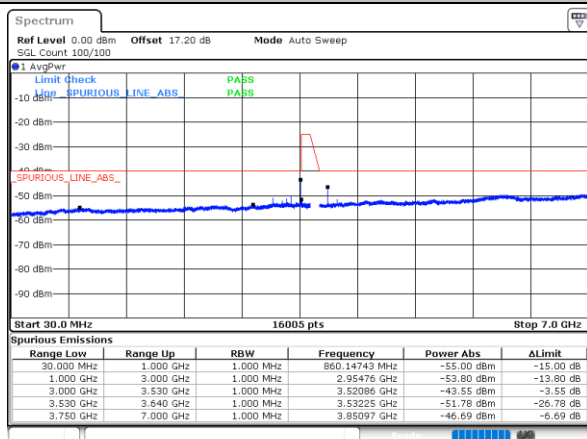


Date: 5.MAY.2022 00:22:08

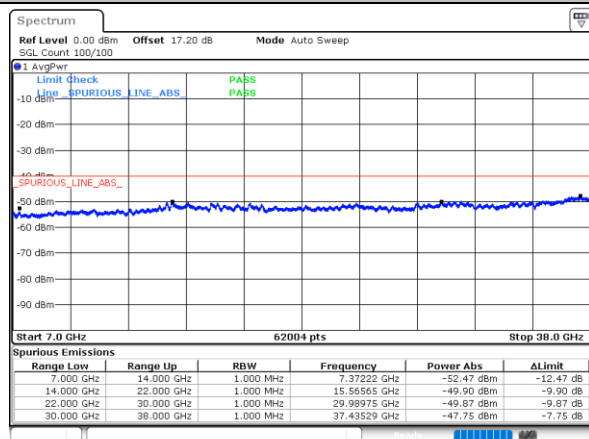


Date: 5.MAY.2022 01:33:23

Highest Channel / QPSK



Date: 5.MAY.2022 00:23:36

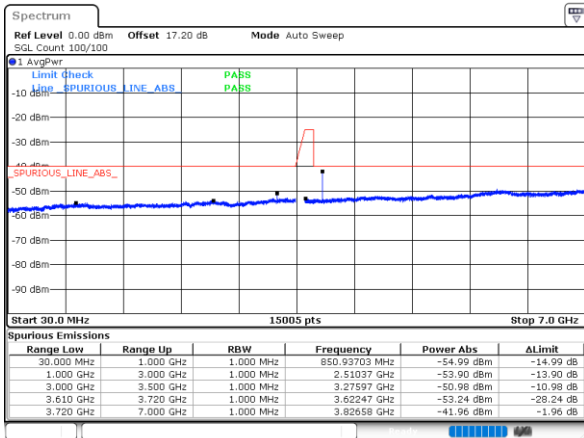


Date: 5.MAY.2022 01:34:52

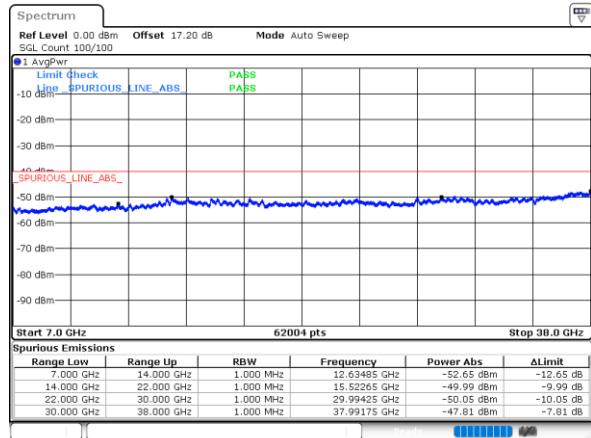


LTE Band 48 / 20MHz

Lowest Channel / QPSK

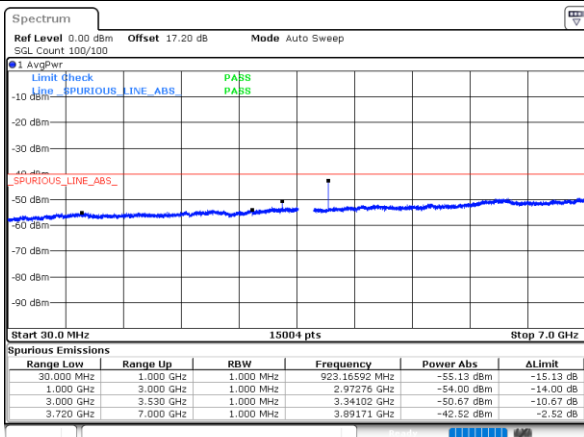


Date: 5.MAY.2022 00:25:10

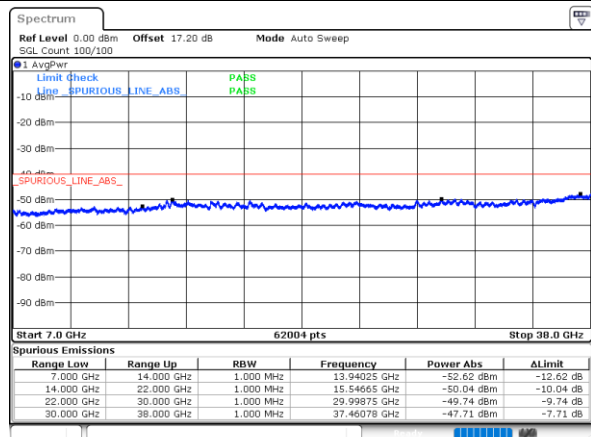


Date: 5.MAY.2022 01:36:25

Middle Channel / QPSK

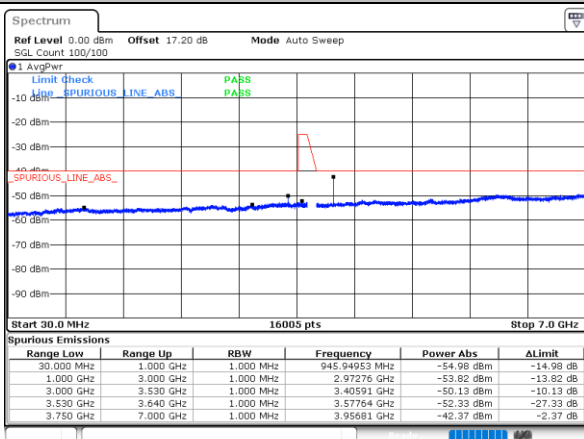


Date: 5.MAY.2022 00:26:38

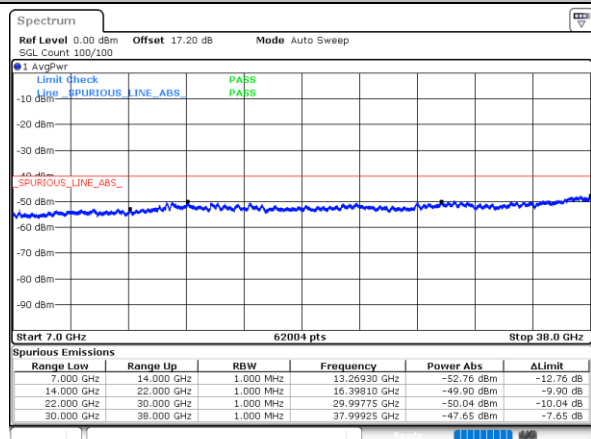


Date: 5.MAY.2022 01:37:54

Highest Channel / QPSK



Date: 5.MAY.2022 00:28:06



Date: 5.MAY.2022 01:39:22

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.33 V. ; Battery End Point (ACLRP) = 3.14 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.88	29.79	34.90	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	39.88	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.78	29.79	34.76	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	39.80	-

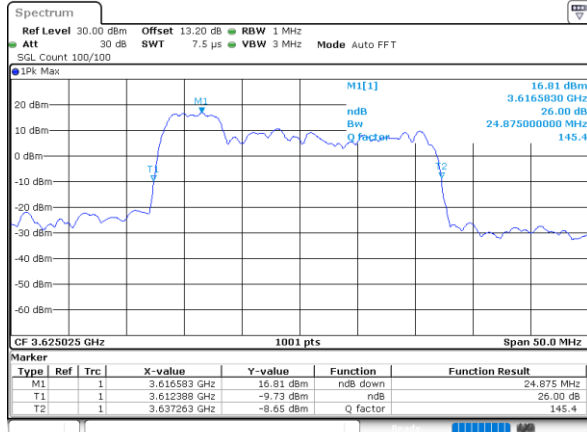
Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.91	34.76	24.93
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.72	-



LTE Band 48C

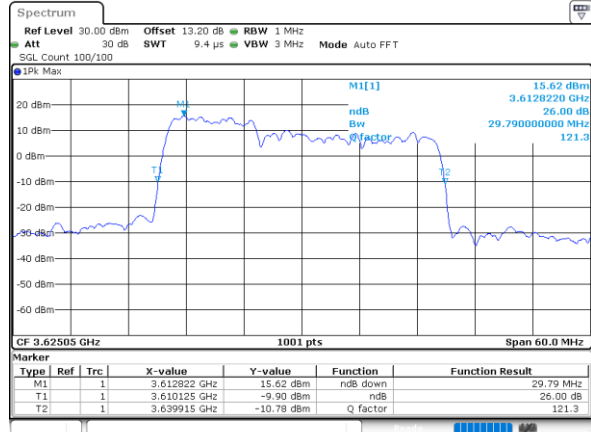
QPSK

Middle Channel / 5MHz+20MHz



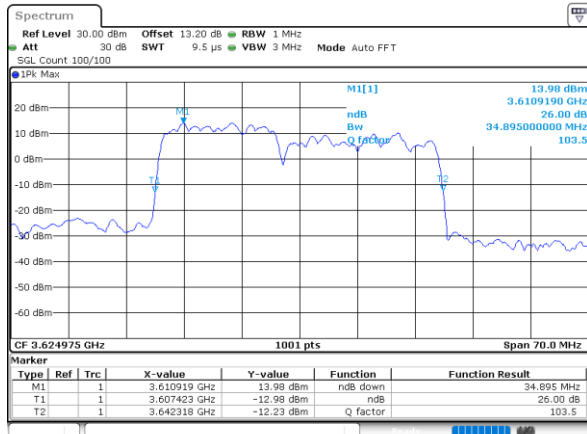
Date: 23 JUN 2022 19:28:11

Middle Channel / 10MHz+20MHz



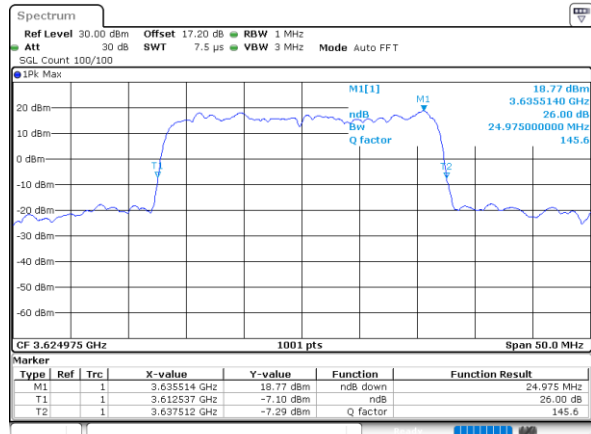
Date: 23 JUN 2022 19:32:12

Middle Channel / 15MHz+20MHz



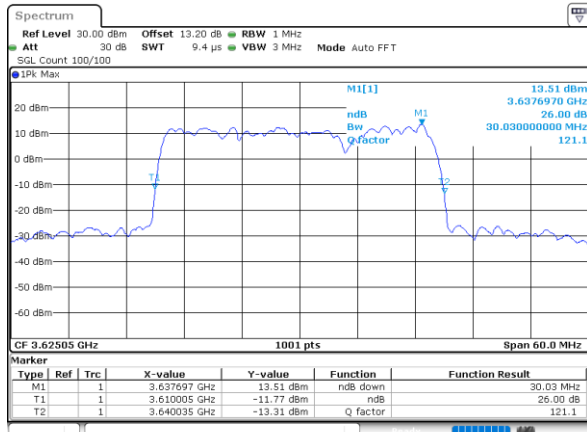
Date: 23 JUN 2022 19:36:13

Middle Channel / 20MHz+5MHz



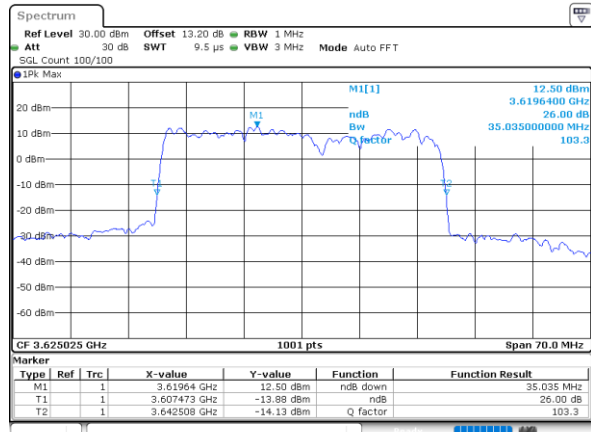
Date: 1 JUL 2022 22:15:21

Middle Channel / 20MHz+10MHz



Date: 23 JUN 2022 20:05:24

Middle Channel / 20MHz+15MHz



Date: 23 JUN 2022 20:09:25

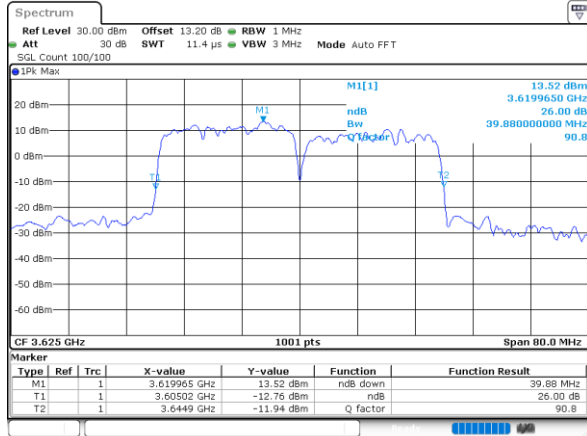


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



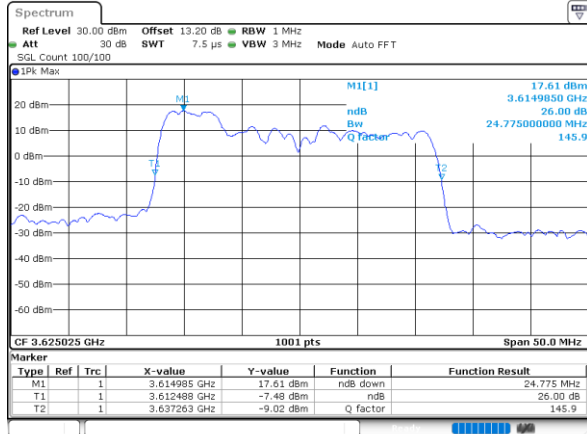
Date: 23-JUN-2022 20:13:04



LTE Band 48C

16QAM

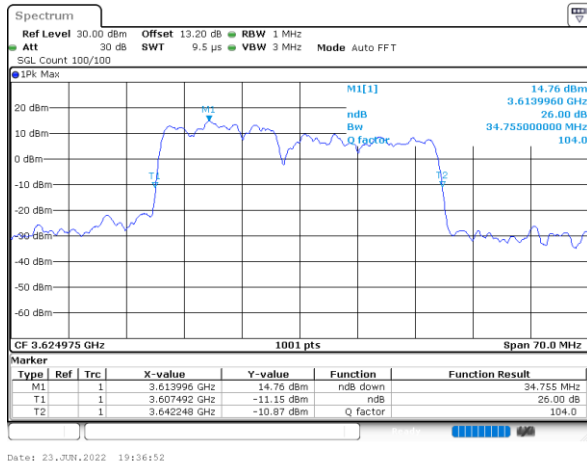
Middle Channel / 5MHz+20MHz



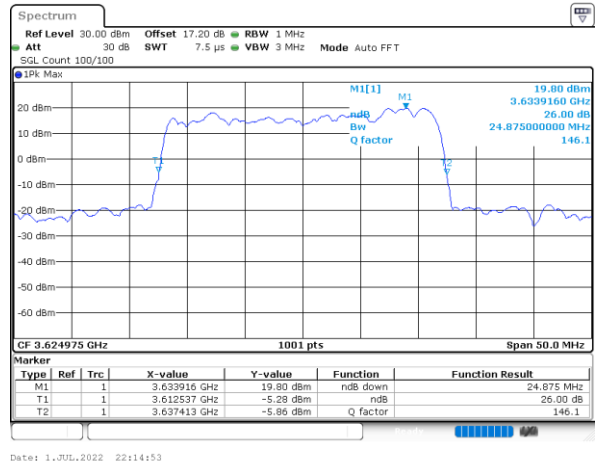
Middle Channel / 10MHz+20MHz



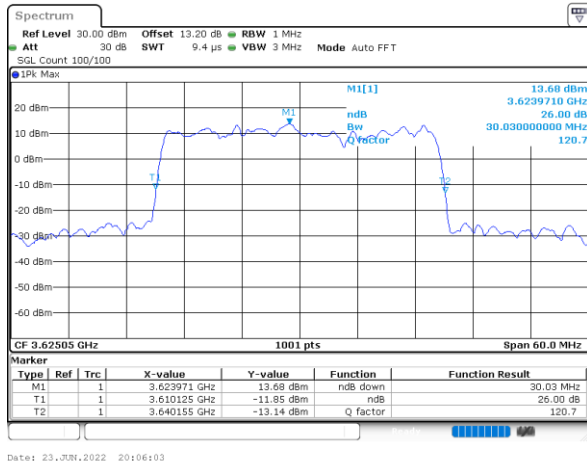
Middle Channel / 15MHz+20MHz



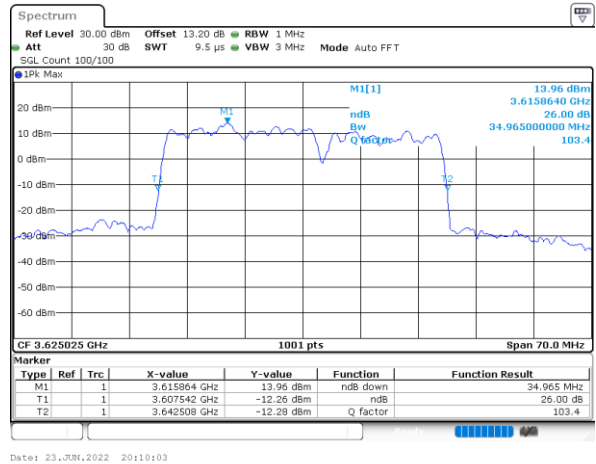
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



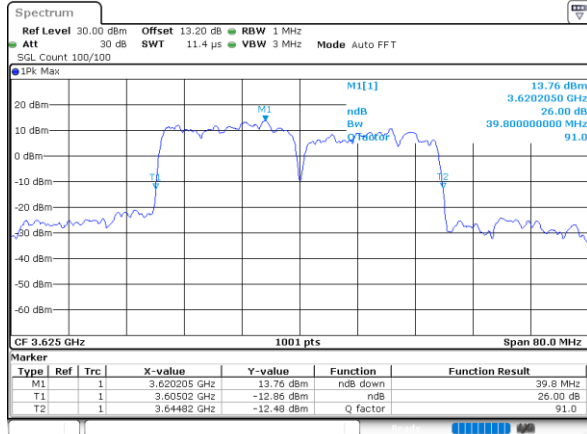


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



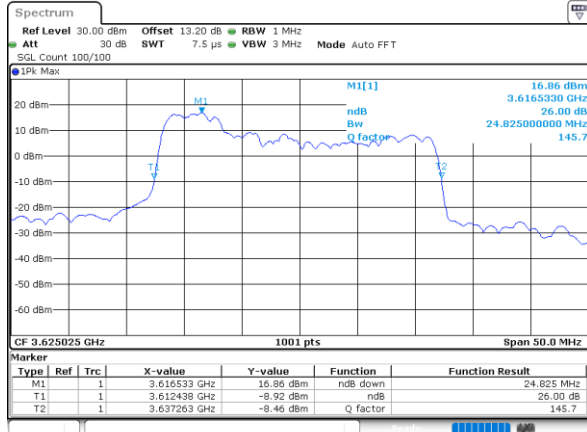
Date: 23-JUN-2022 20:13:37



LTE Band 48C

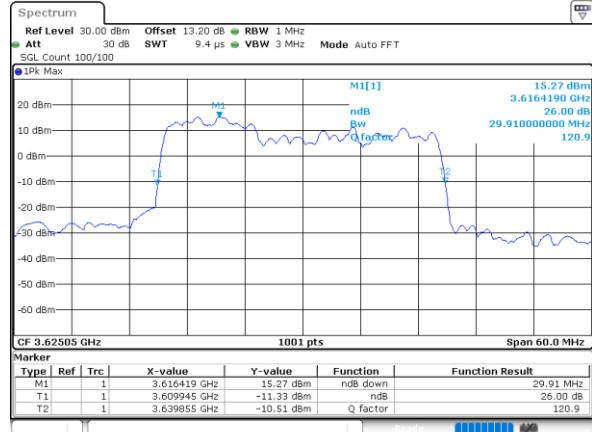
64QAM

Middle Channel / 5MHz+20MHz



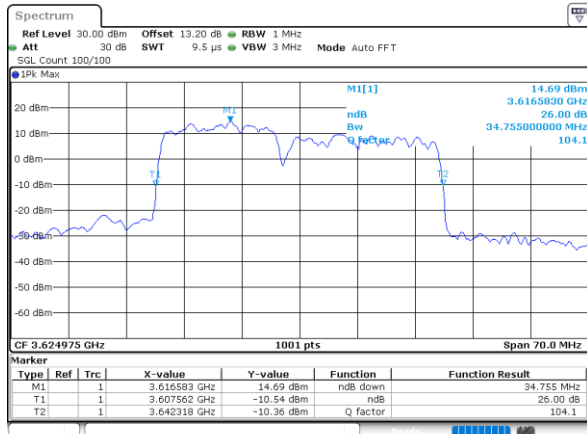
Date: 23 JUN 2022 19:29:28

Middle Channel / 10MHz+20MHz



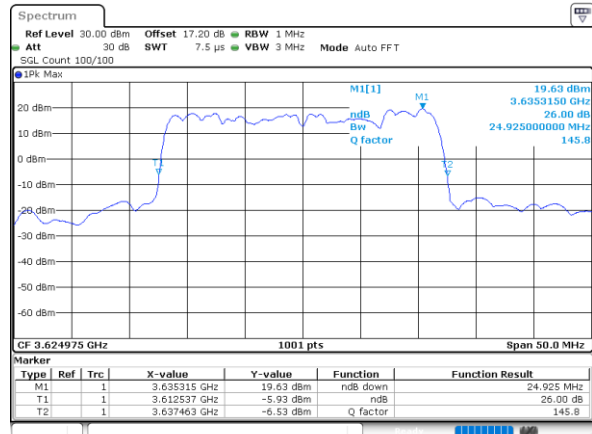
Date: 23 JUN 2022 19:33:29

Middle Channel / 15MHz+20MHz



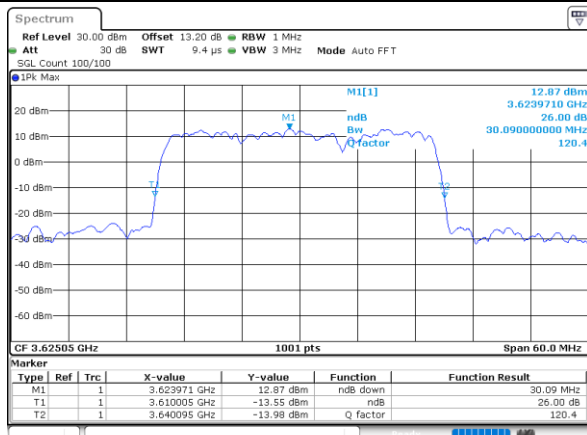
Date: 23 JUN 2022 19:37:31

Middle Channel / 20MHz+5MHz



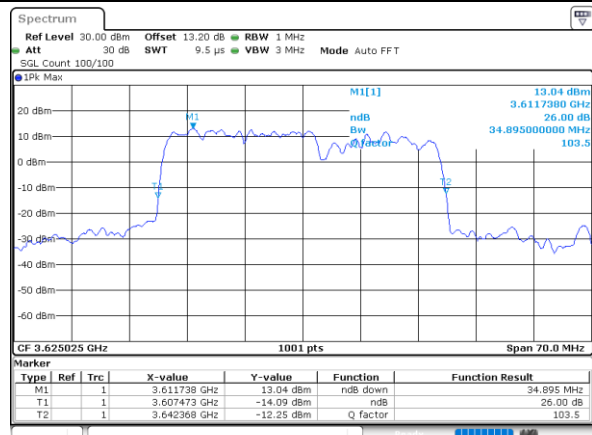
Date: 1 JUL 2022 22:14:24

Middle Channel / 20MHz+10MHz



Date: 23 JUN 2022 20:06:42

Middle Channel / 20MHz+15MHz



Date: 23 JUN 2022 20:10:42

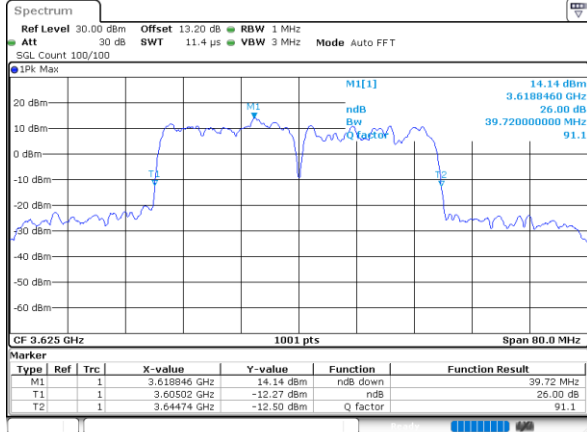


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 23 JUN 2022 20:14:11

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.43	27.87	32.87	23.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.29	32.87	37.40	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.13	27.87	32.52	23.43
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.94	37.96	-

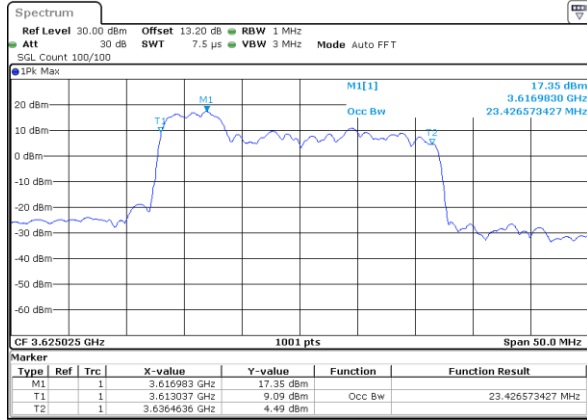
Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.63	27.81	32.73	23.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.73	37.88	-



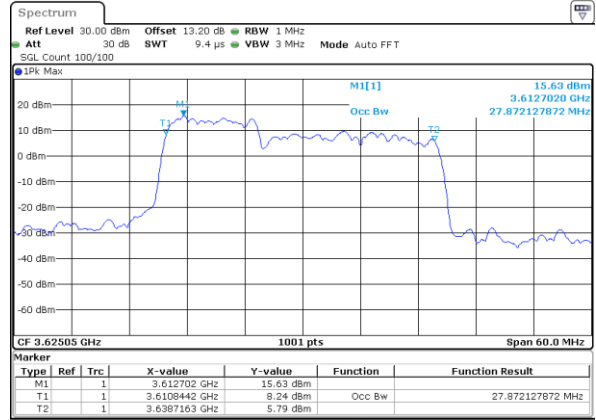
LTE Band 48C

QPSK

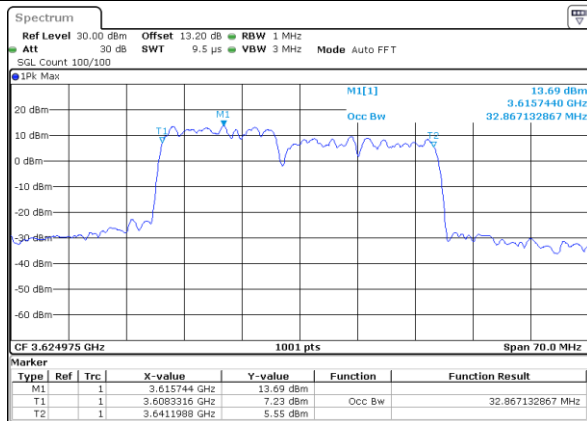
Middle Channel / 5MHz+20MHz



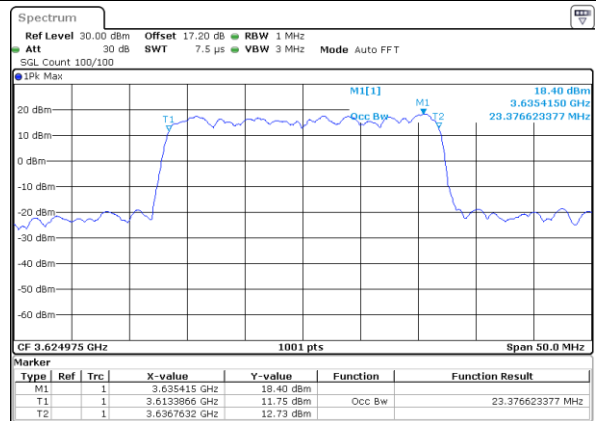
Middle Channel / 10MHz+20MHz



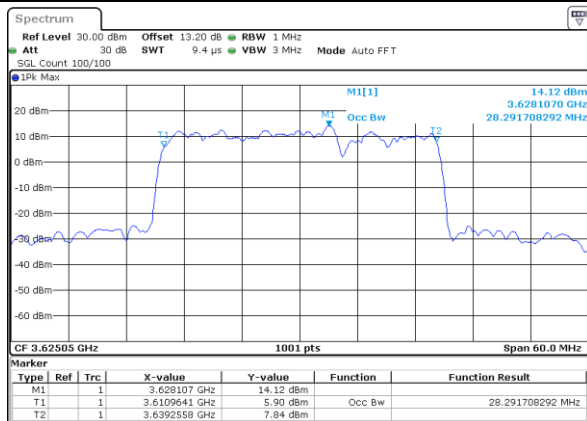
Middle Channel / 15MHz+20MHz



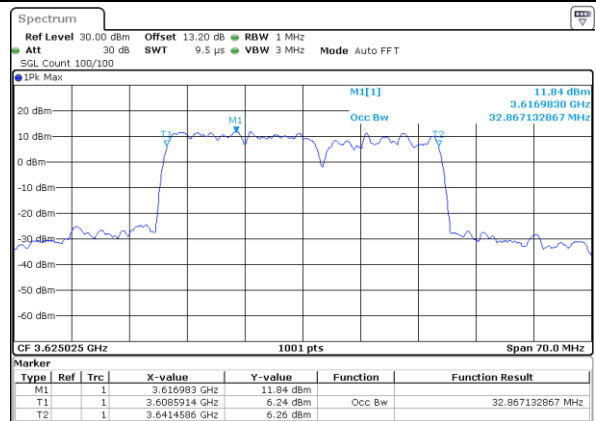
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



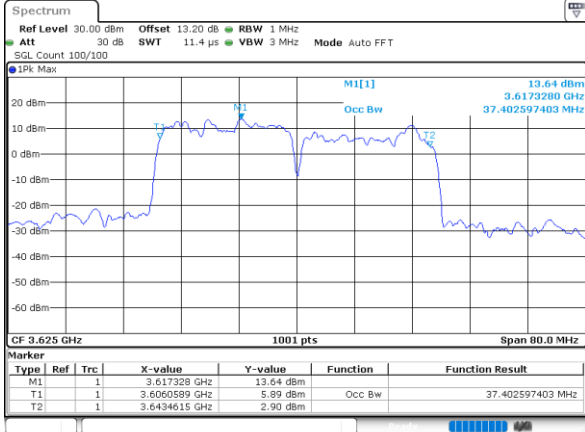


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



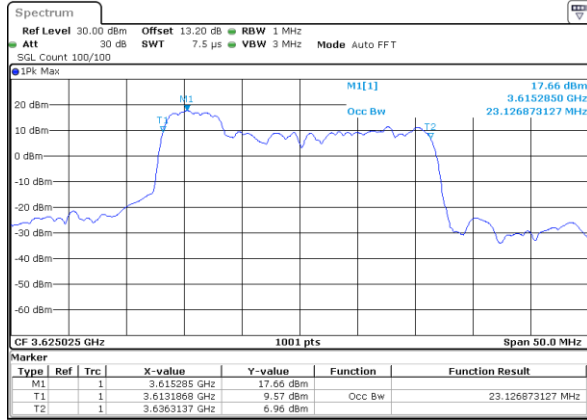
Date: 23, JUN, 2022 20:11:23



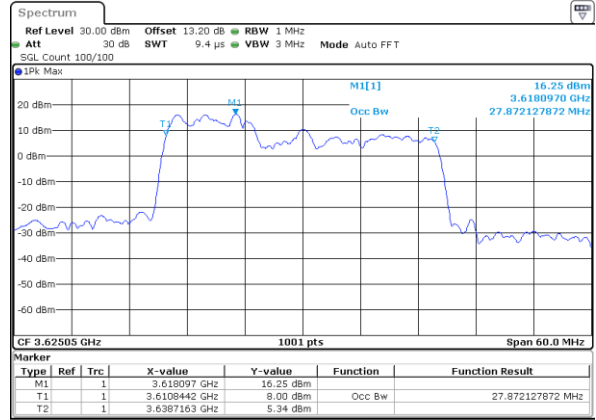
LTE Band 48C

16QAM

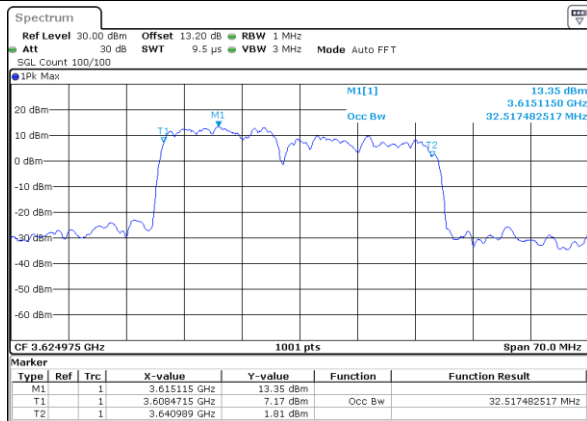
Middle Channel / 5MHz+20MHz



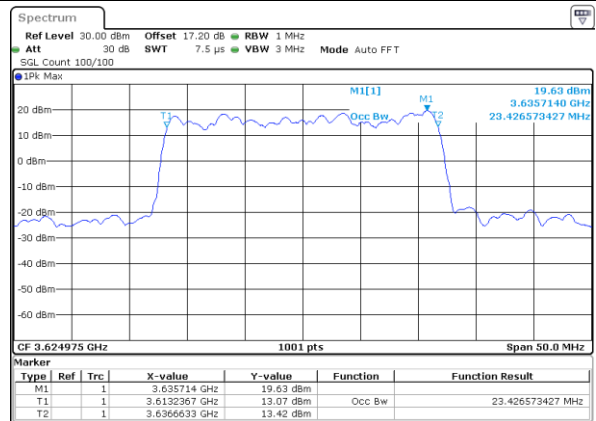
Middle Channel / 10MHz+20MHz



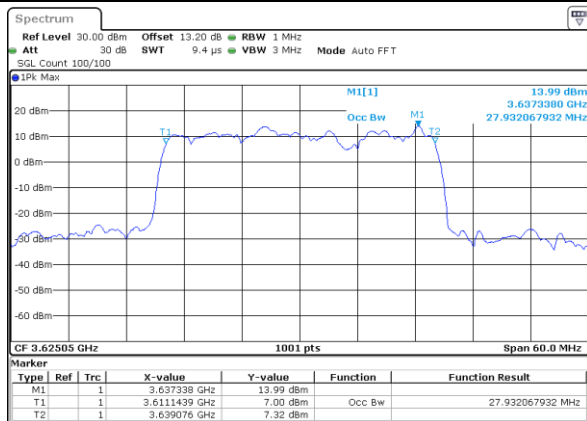
Middle Channel / 15MHz+20MHz



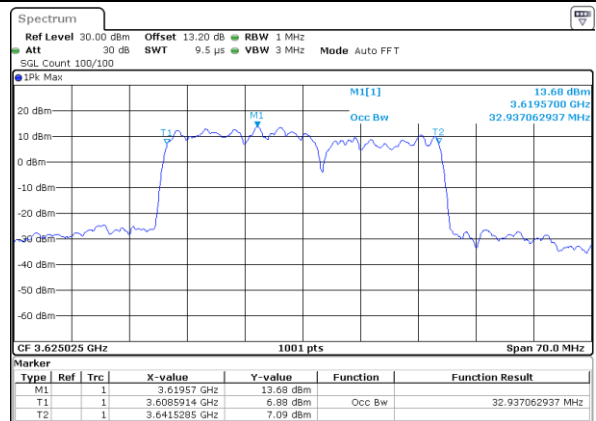
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



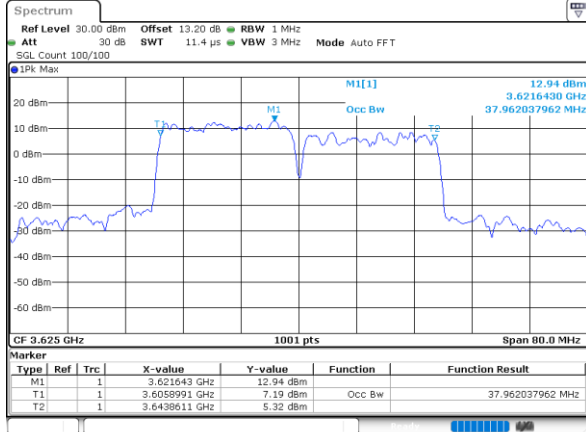


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A

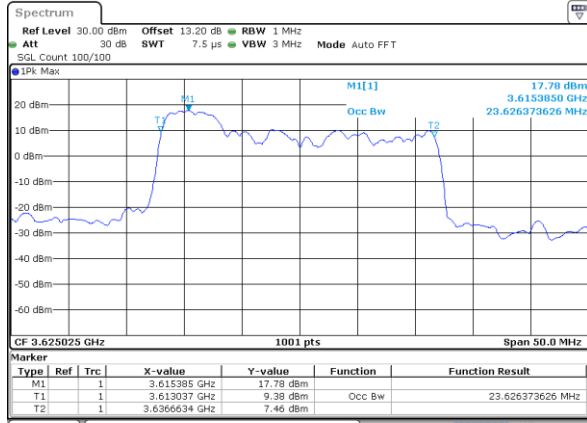




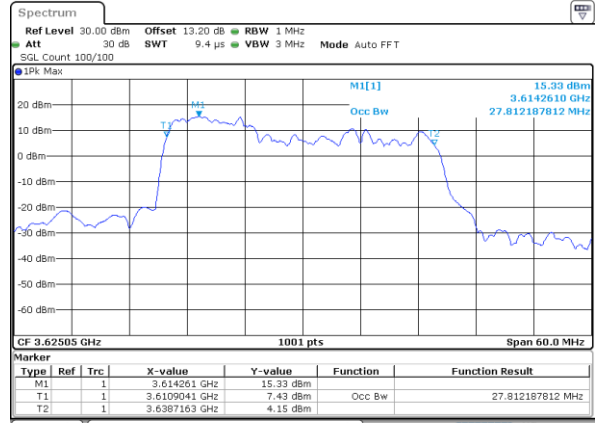
LTE Band 48C

64QAM

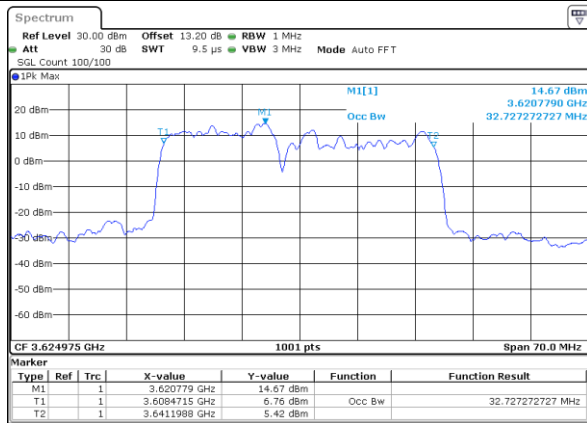
Middle Channel / 5MHz+20MHz



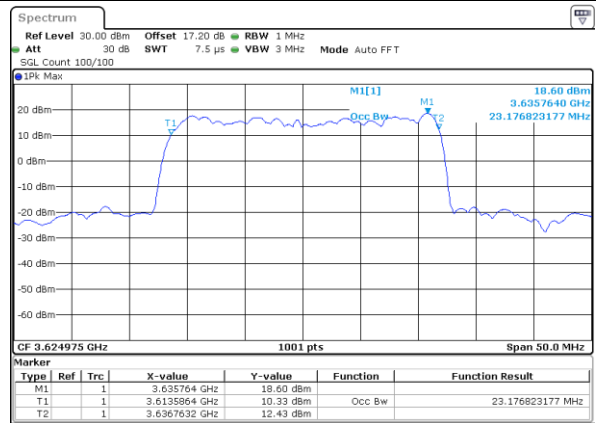
Middle Channel / 10MHz+20MHz



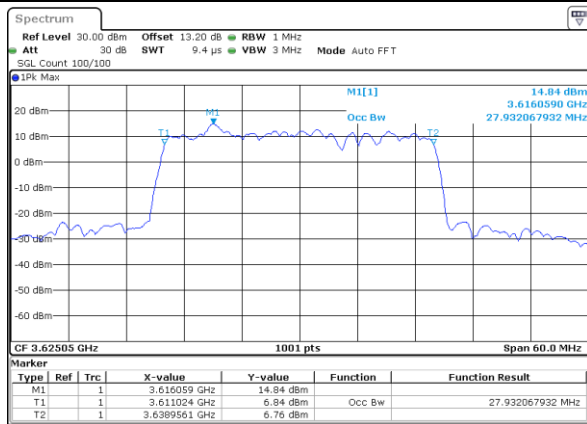
Middle Channel / 15MHz+20MHz



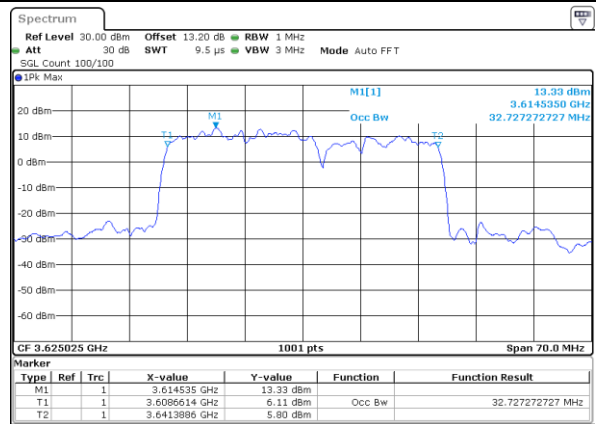
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



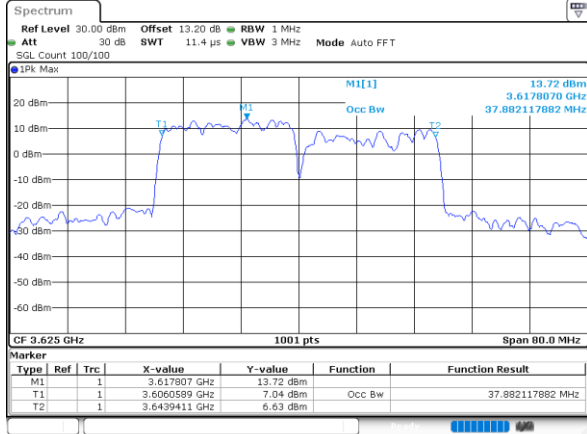


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A





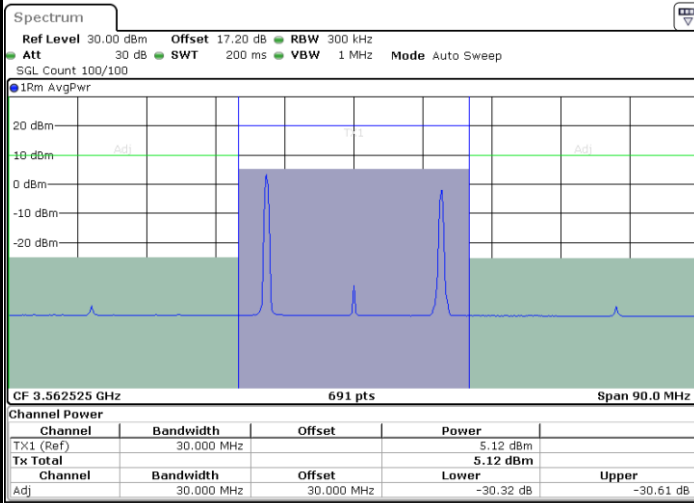
ACLR

LTE Band 48C / 5MHz+20MHz

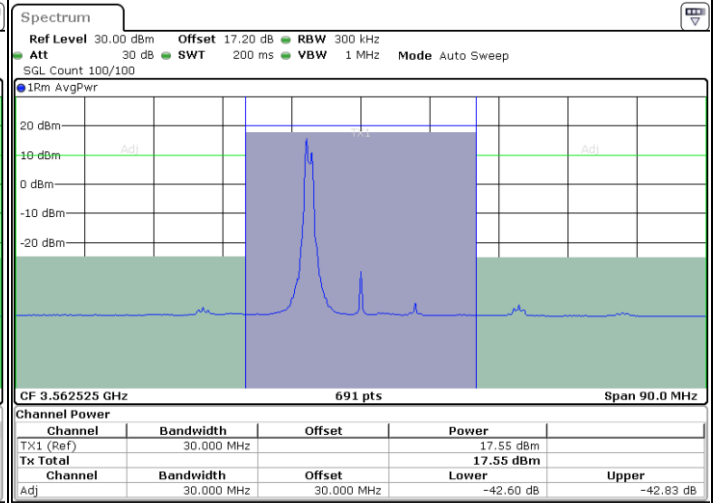
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



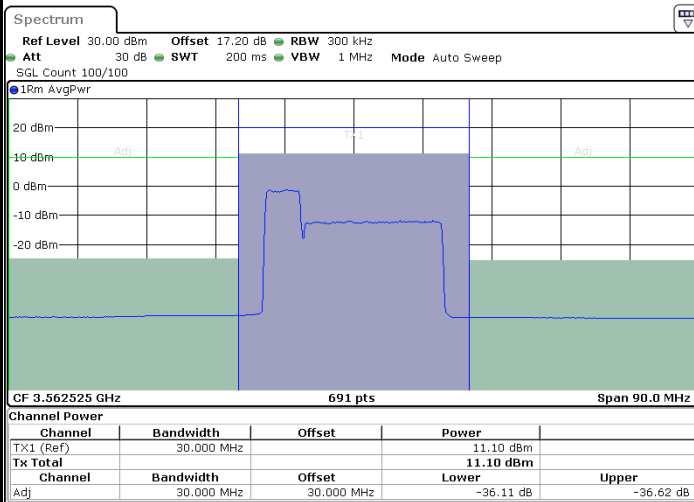
Date: 23 JUN 2022 21:01:18



Date: 23 JUN 2022 21:09:19

Lowest Channel / FullRB

N/A



Date: 23 JUN 2022 20:55:34

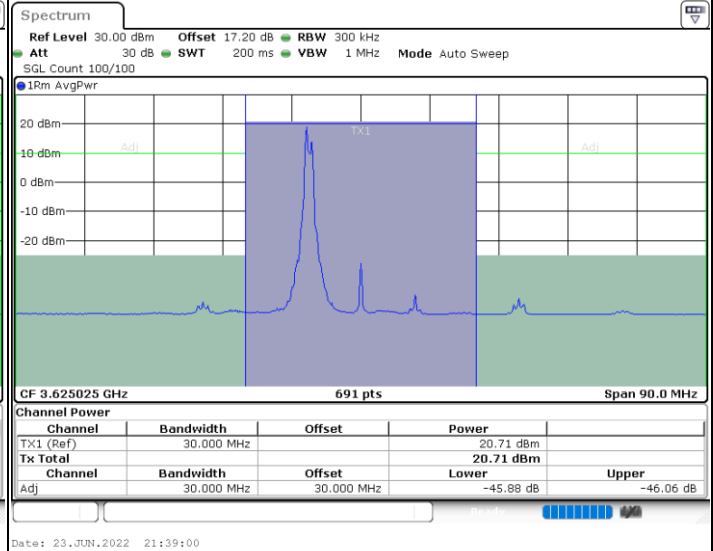
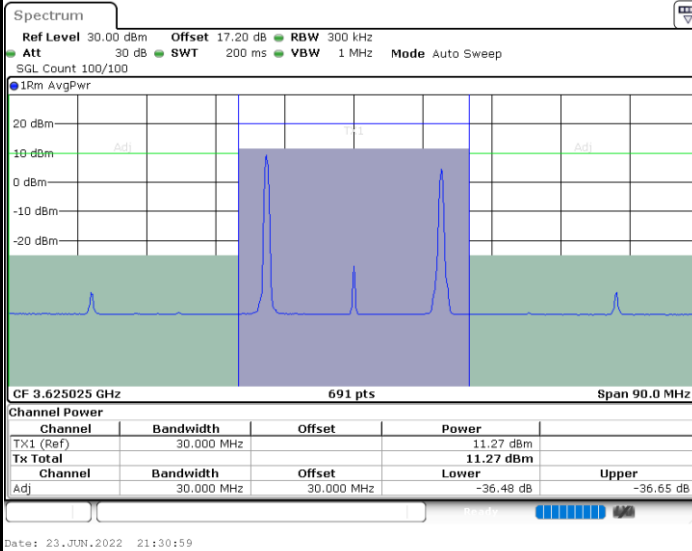


LTE Band 48C / 5MHz+20MHz

QPSK

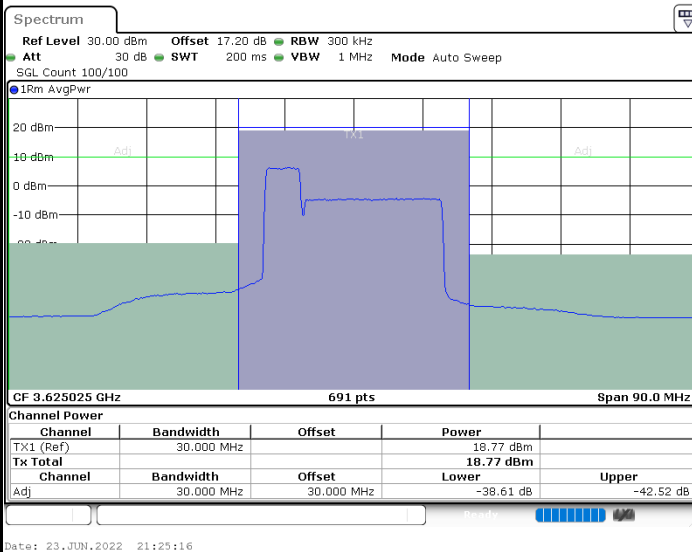
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



Middle Channel / FullRB

N/A



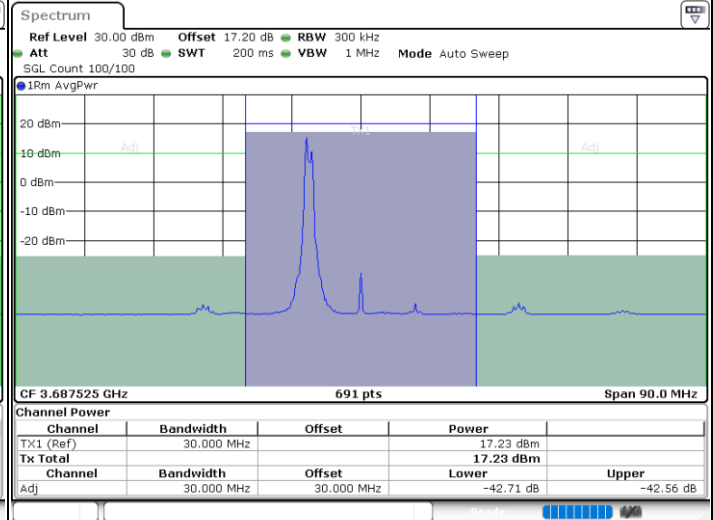
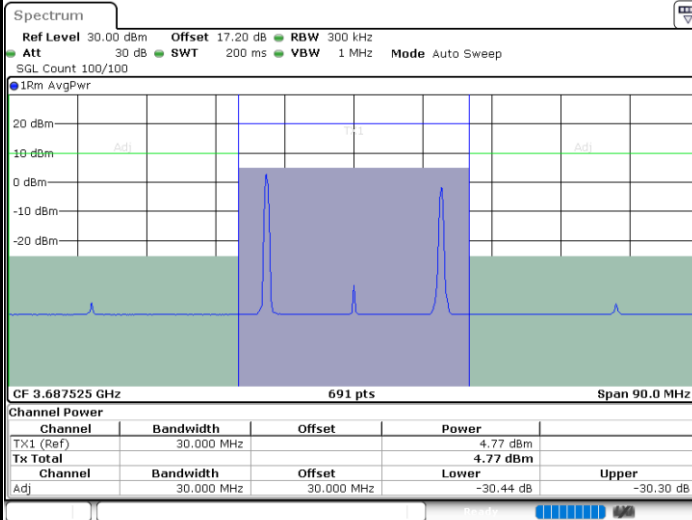


LTE Band 48C / 5MHz+20MHz

QPSK

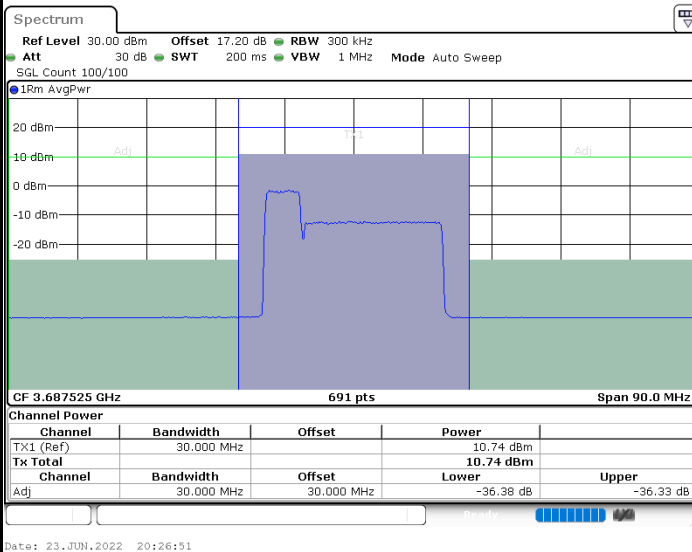
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



Highest Channel / FullIRB

N/A



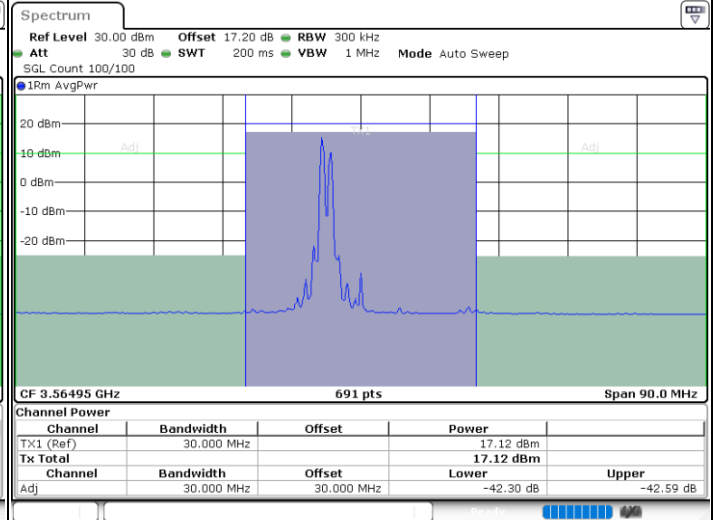
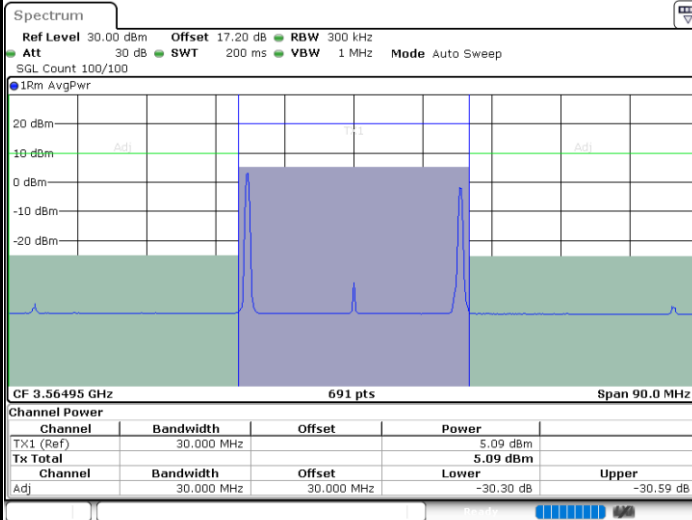


LTE Band 48C / 10MHz+20MHz

QPSK

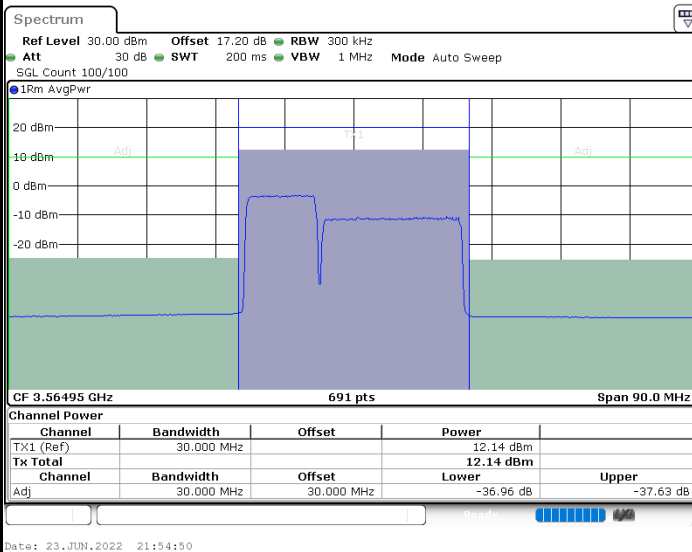
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



Lowest Channel / FullRB

N/A



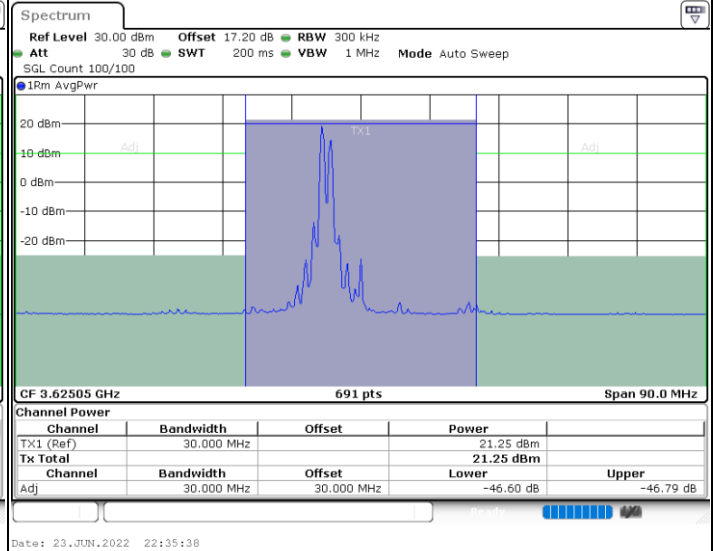
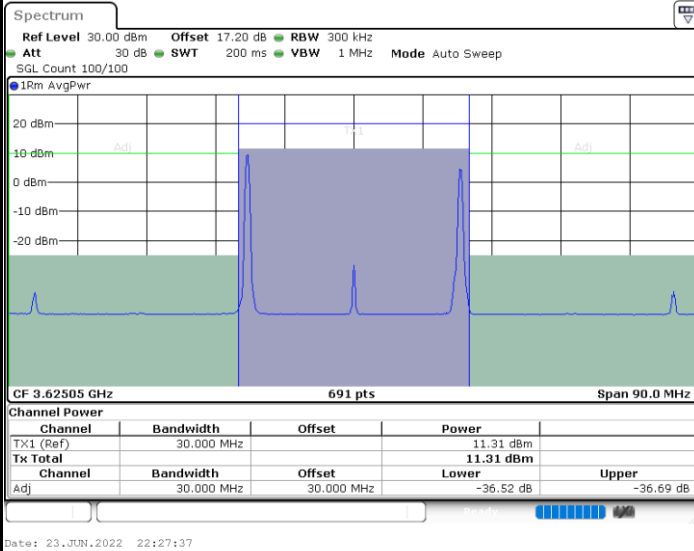


LTE Band 48C / 10MHz+20MHz

QPSK

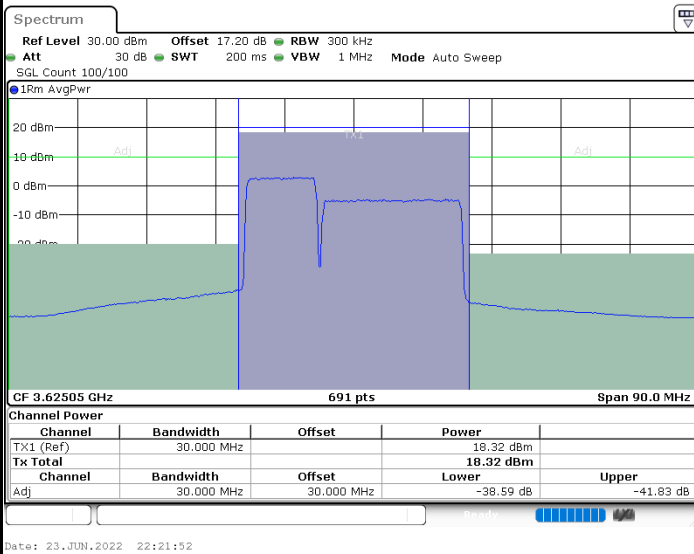
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



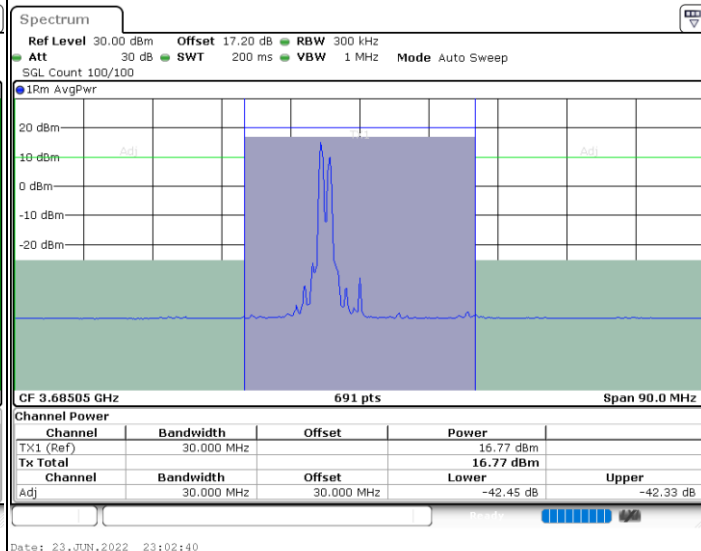


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



Highest Channel / FullRB

N/A



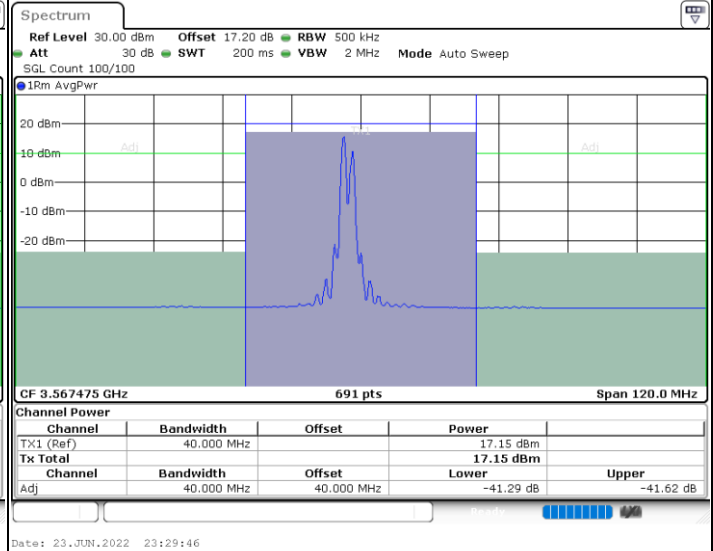


LTE Band 48C / 15MHz+20MHz

QPSK

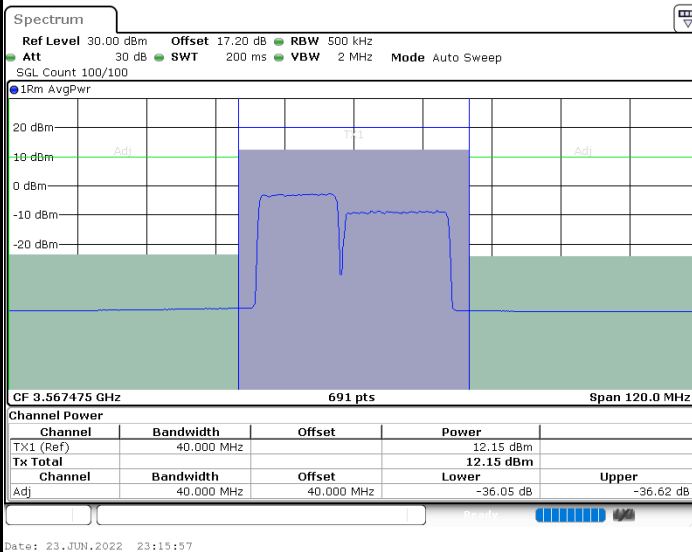
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



Lowest Channel / FullRB

N/A



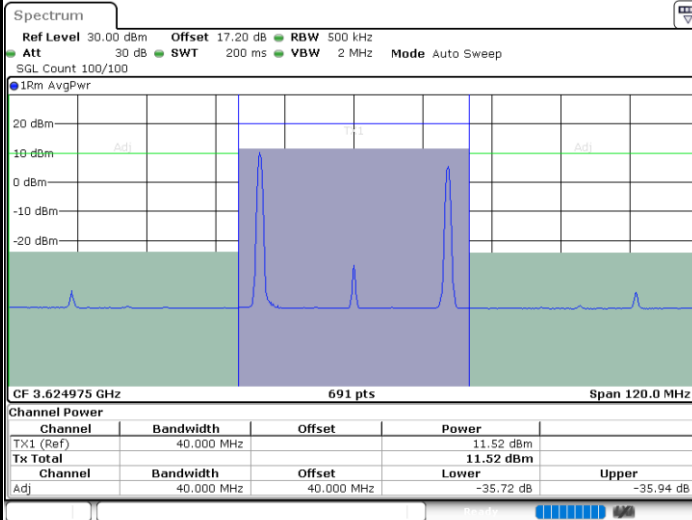


LTE Band 48C / 15MHz+20MHz

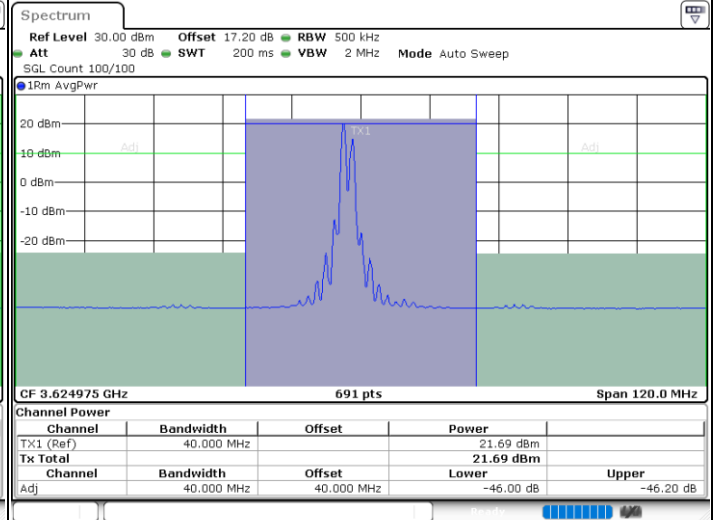
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



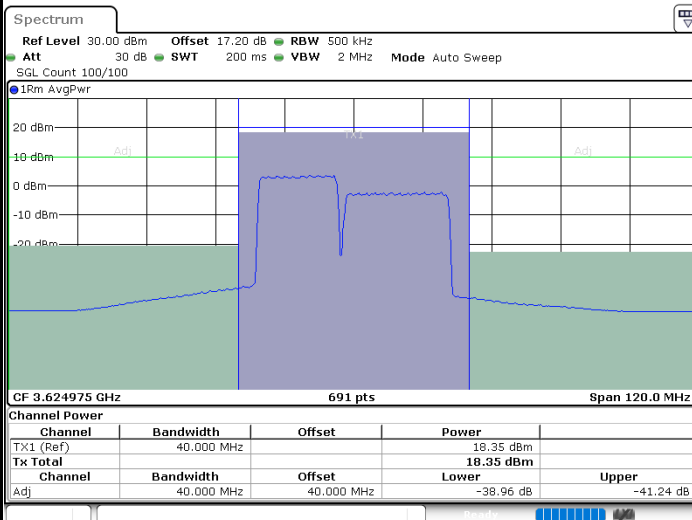
Date: 23 JUN 2022 23:48:50



Date: 24 JUN 2022 00:49:52

Middle Channel / FullRB

N/A



Date: 23 JUN 2022 23:43:05

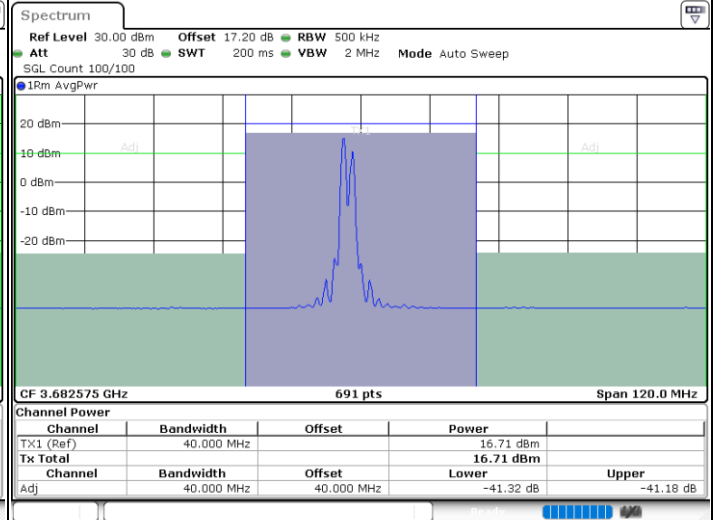
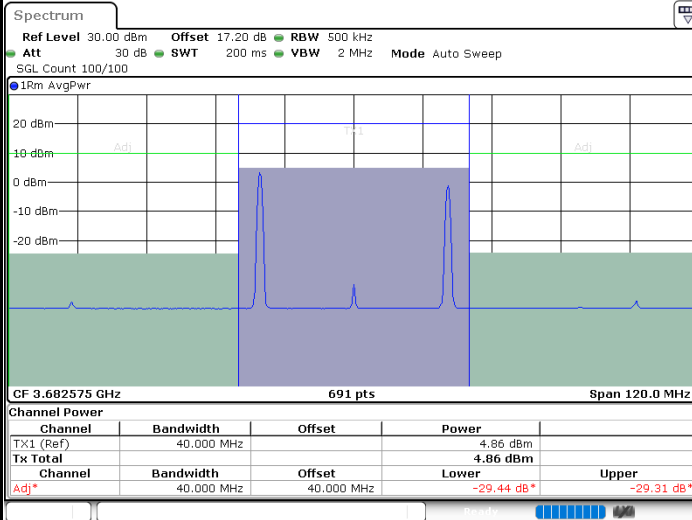


LTE Band 48C / 15MHz+20MHz

QPSK

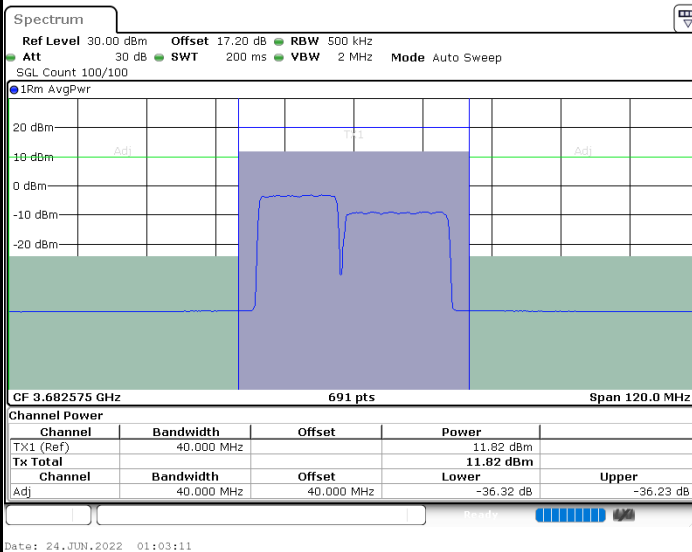
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



Highest Channel / FullRB

N/A



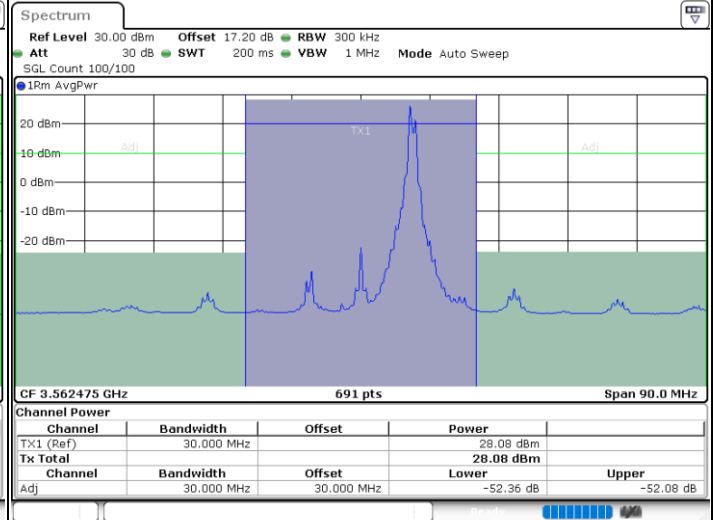
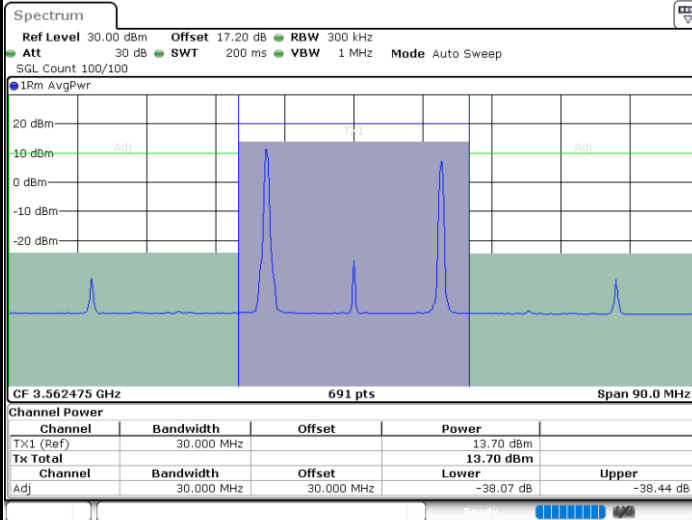


LTE Band 48C / 20MHz+5MHz

QPSK

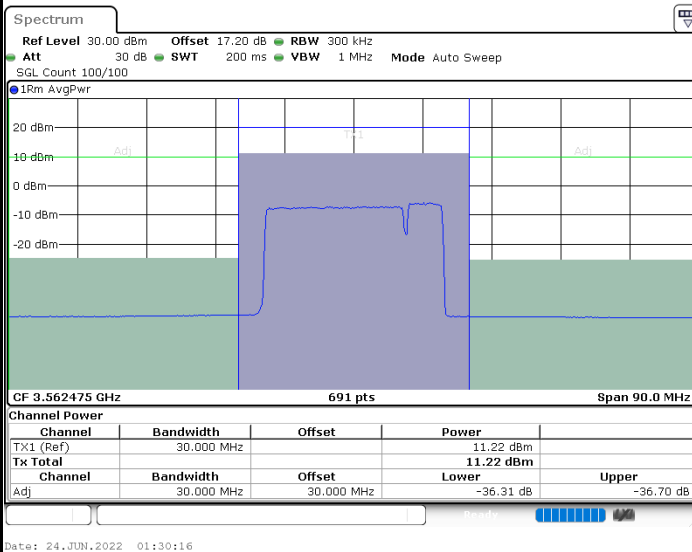
Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



Lowest Channel / FullRB

N/A



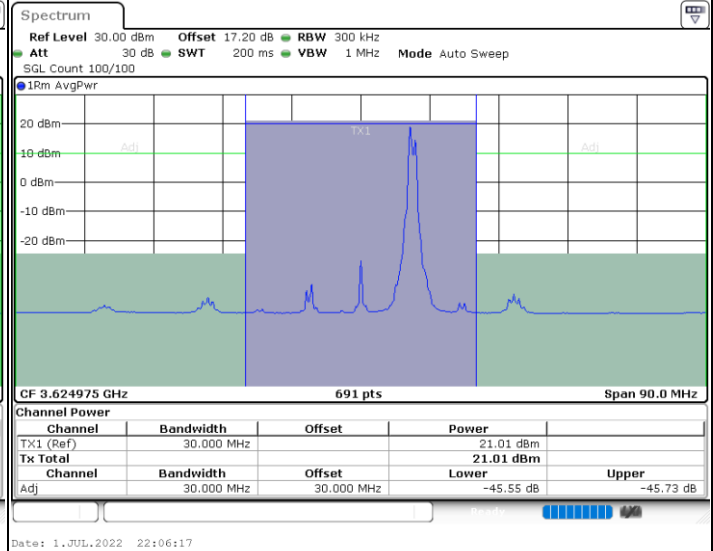
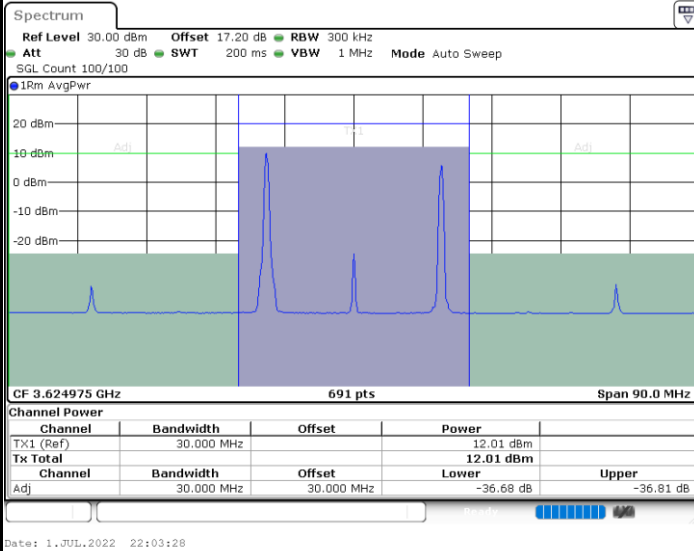


LTE Band 48C / 20MHz+5MHz

QPSK

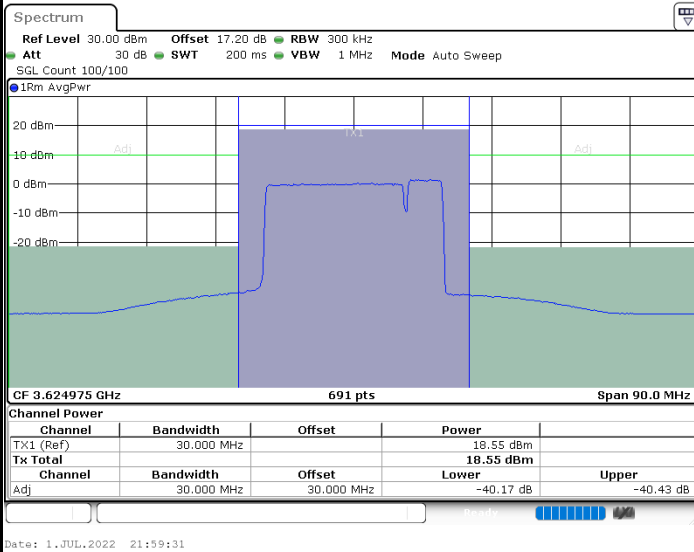
Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0



Middle Channel / FullRB

N/A



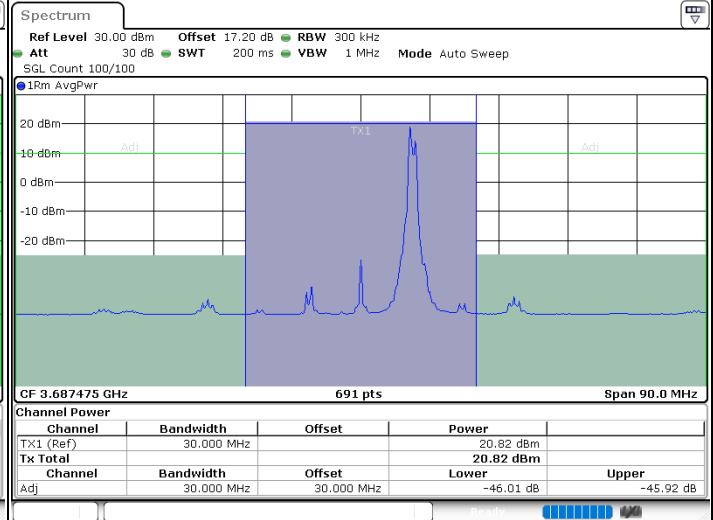
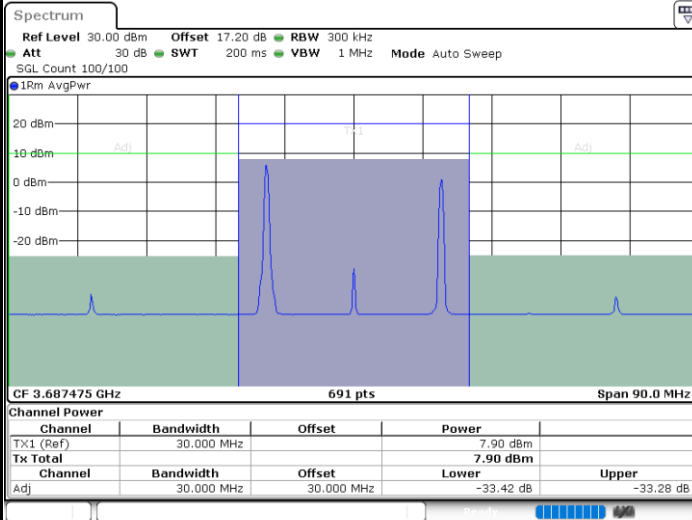


LTE Band 48C / 20MHz+5MHz

QPSK

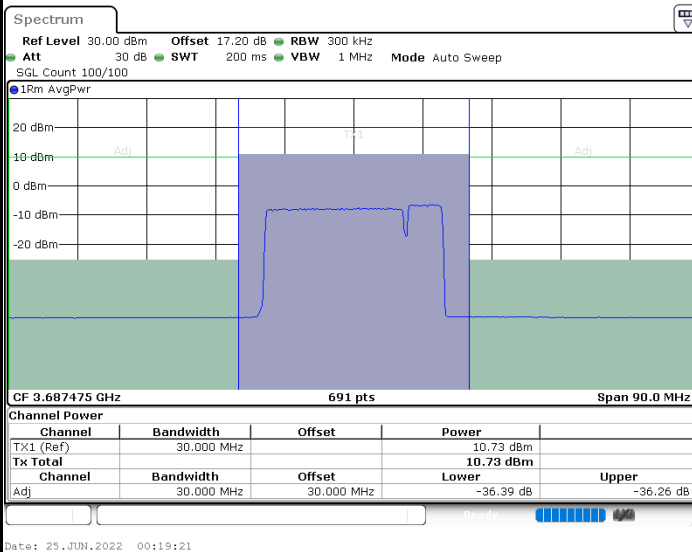
Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



Highest Channel / FullRB

N/A



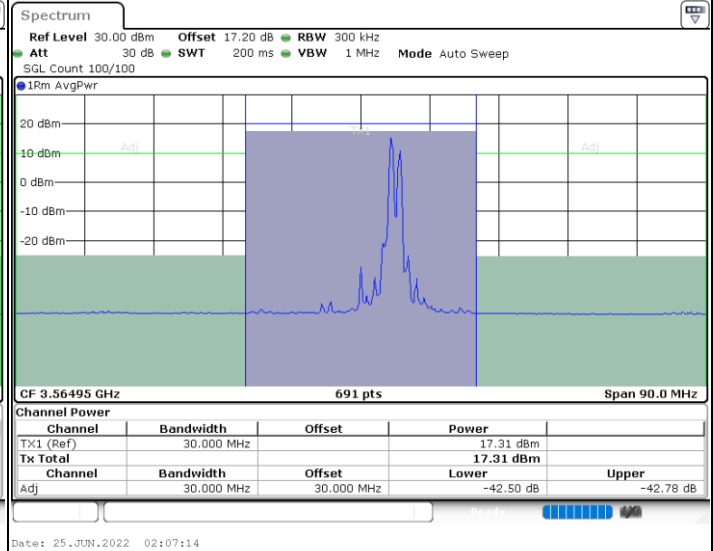
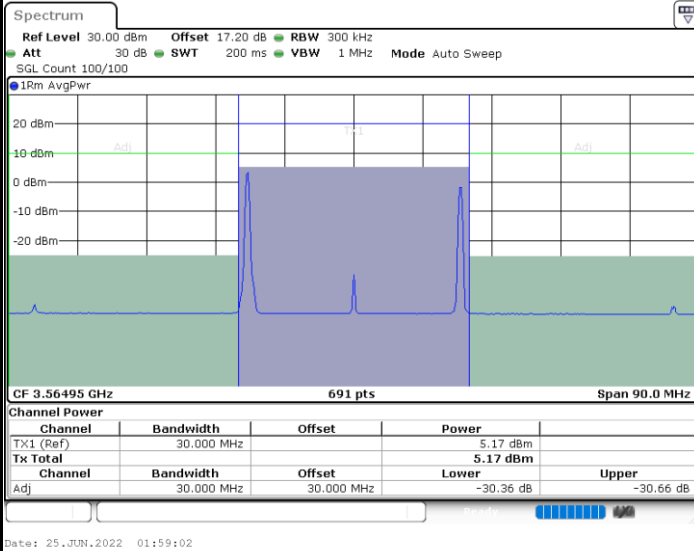


LTE Band 48C / 20MHz+10MHz

QPSK

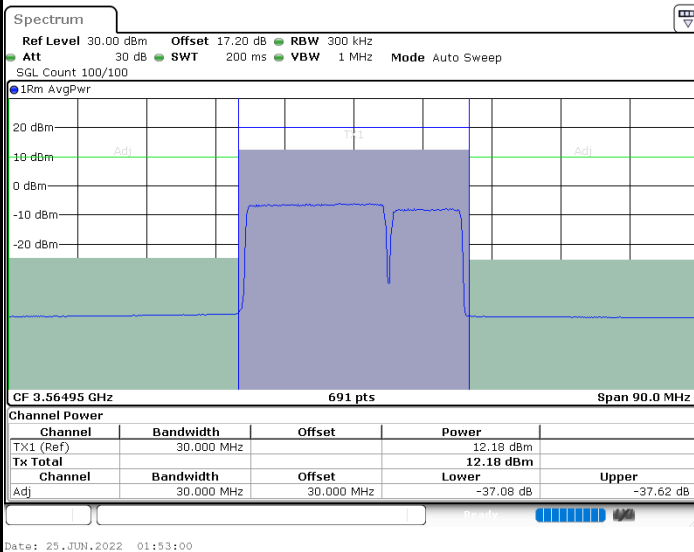
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



Lowest Channel / FullRB

N/A



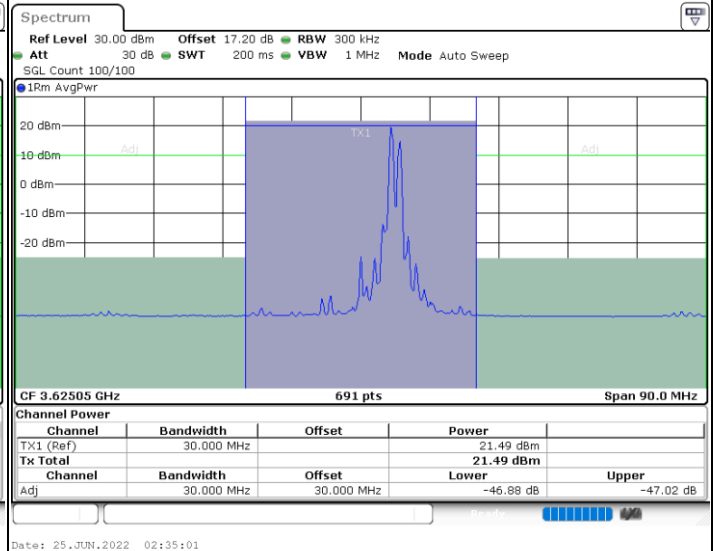
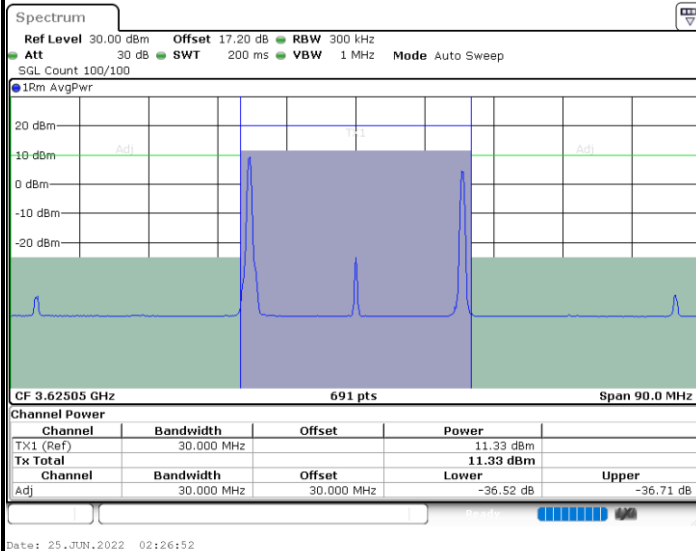


LTE Band 48C / 20MHz+10MHz

QPSK

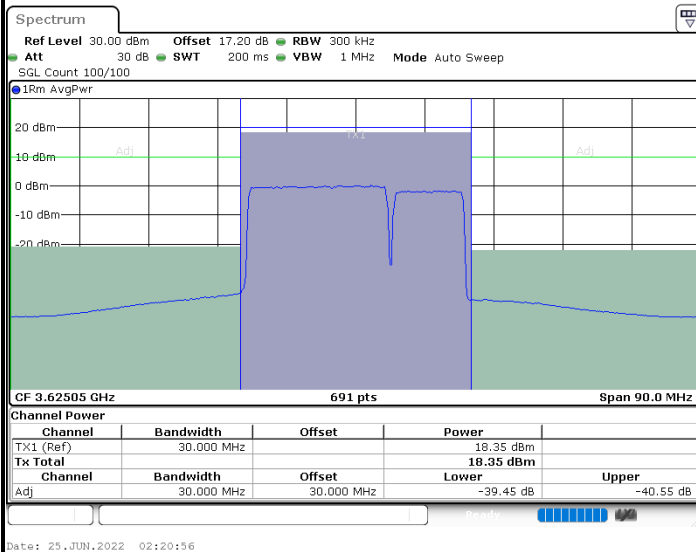
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



Middle Channel / FullRB

N/A



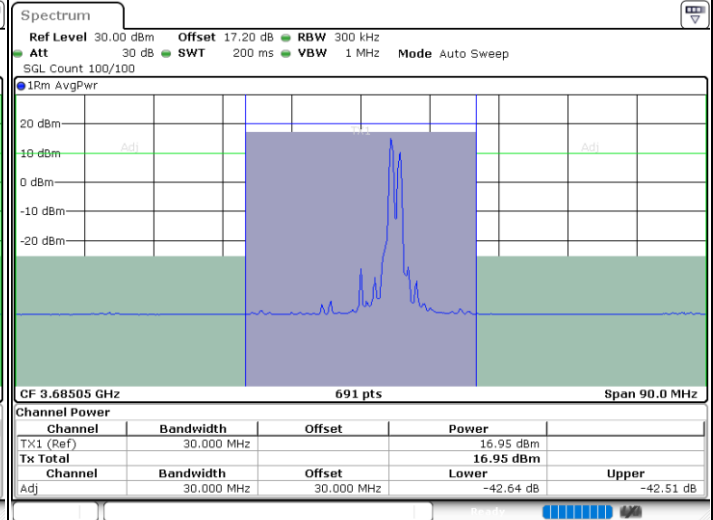
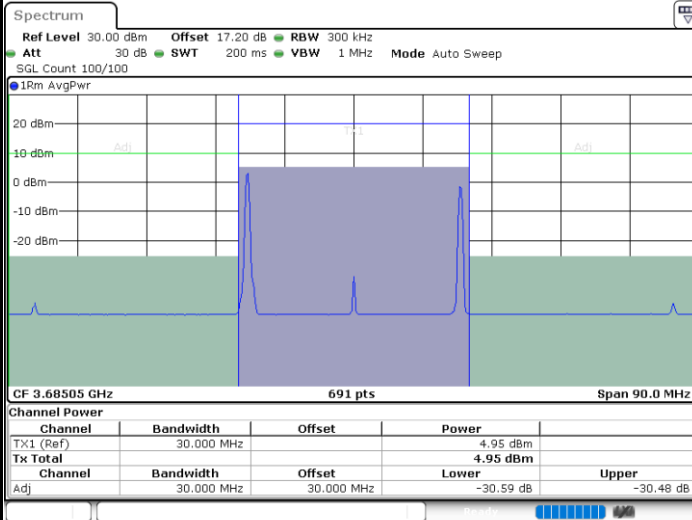


LTE Band 48C / 20MHz+10MHz

QPSK

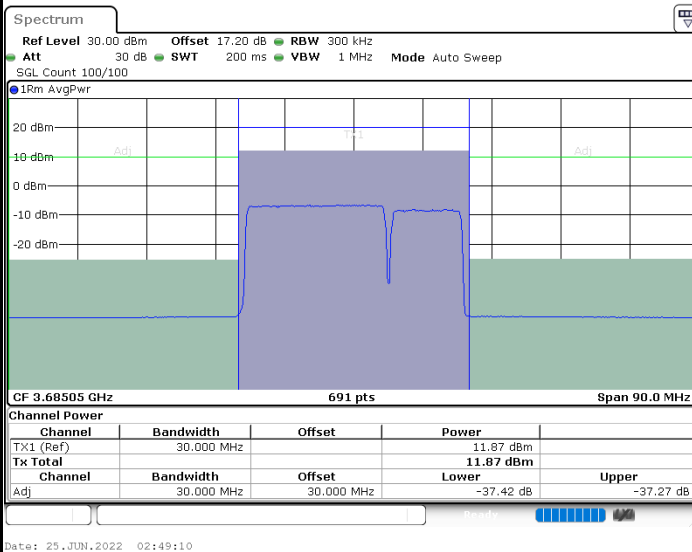
Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



Highest Channel / FullRB

N/A



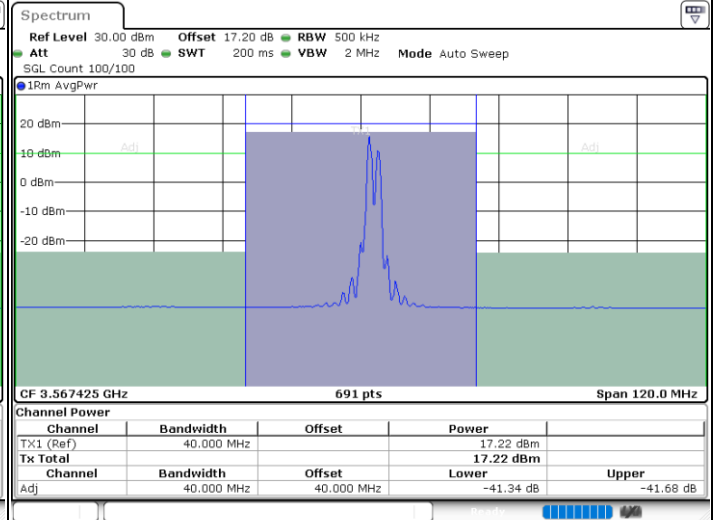
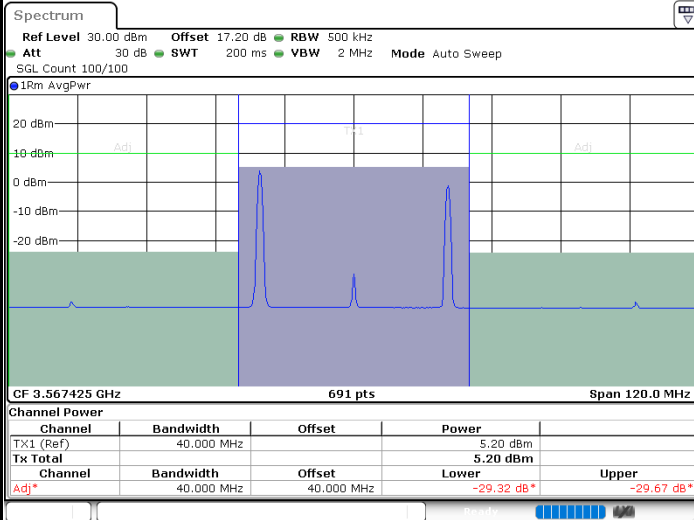


LTE Band 48C / 20MHz+15MHz

QPSK

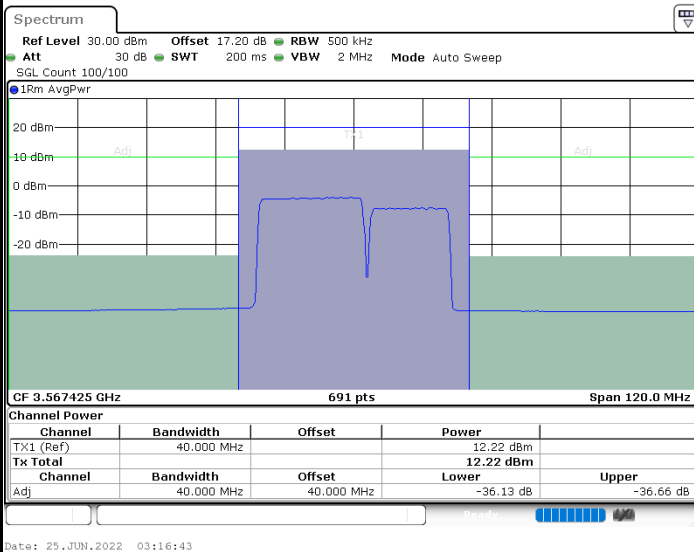
Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



Lowest Channel / FullRB

N/A



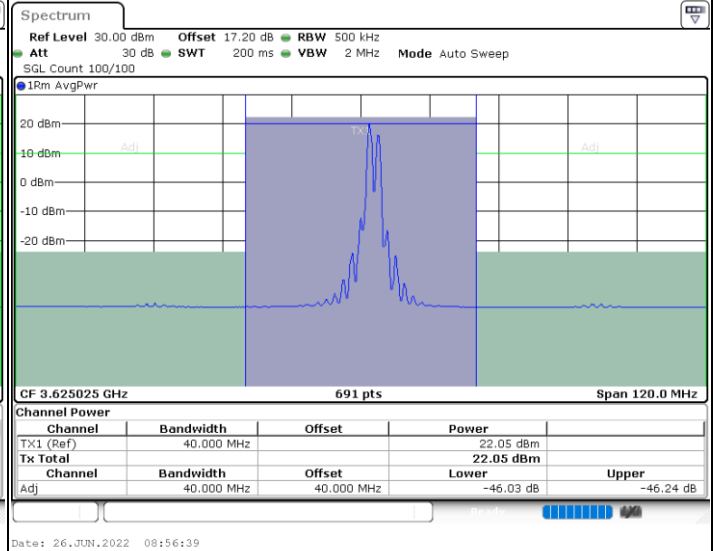
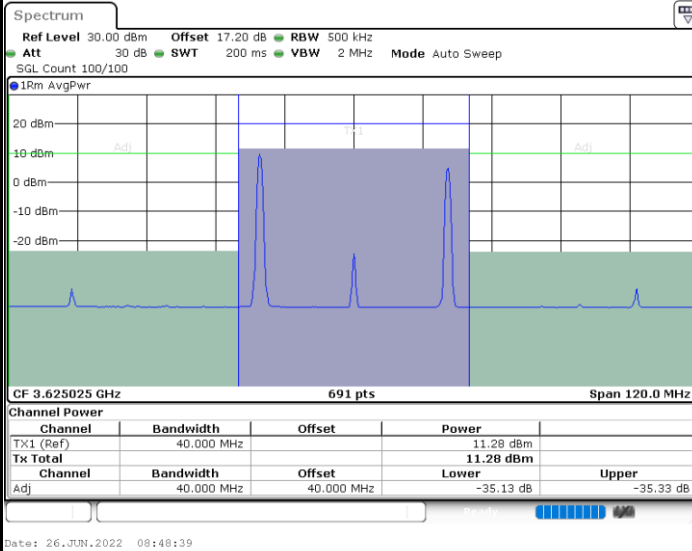


LTE Band 48C / 20MHz+15MHz

QPSK

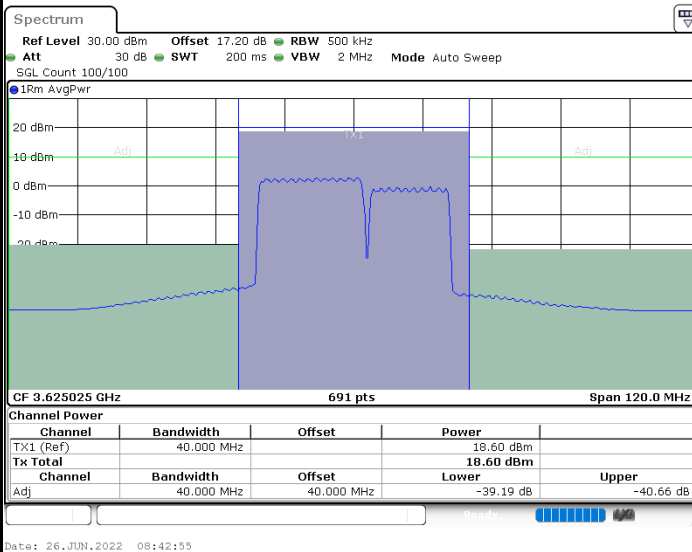
Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



Middle Channel / FullRB

N/A



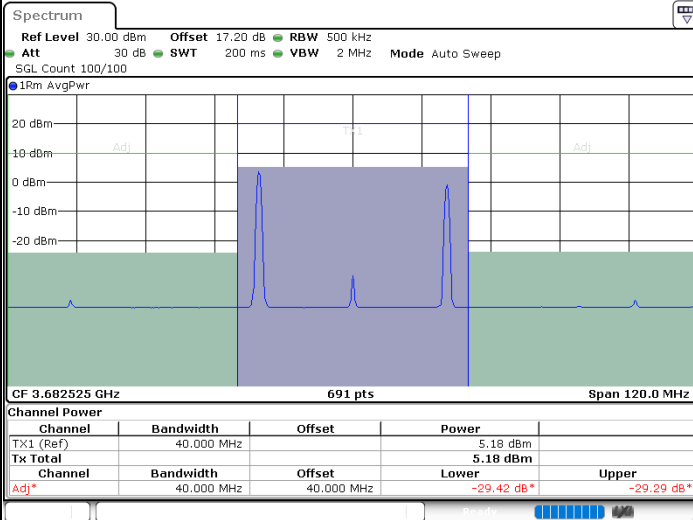


LTE Band 48C / 20MHz+15MHz

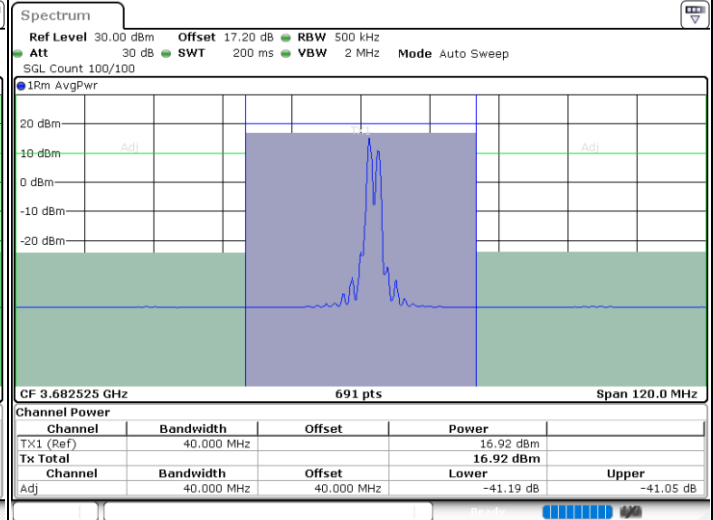
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



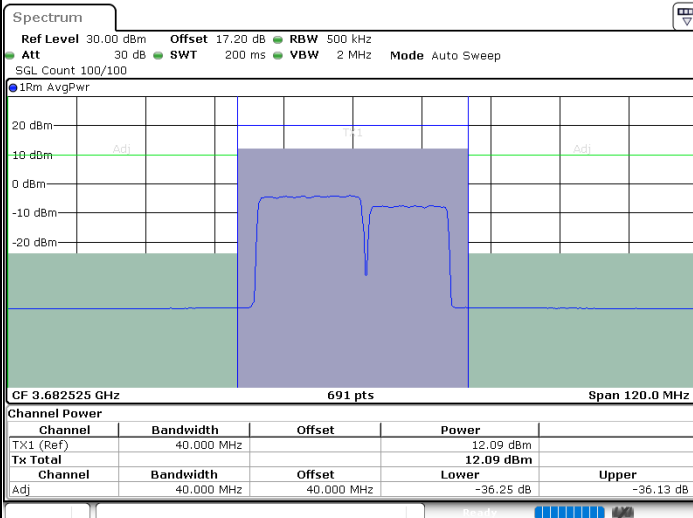
Date: 26 JUN.2022 09:15:34



Date: 26 JUN.2022 09:23:32

Highest Channel / FullIRB

N/A



Date: 26 JUN.2022 09:09:52

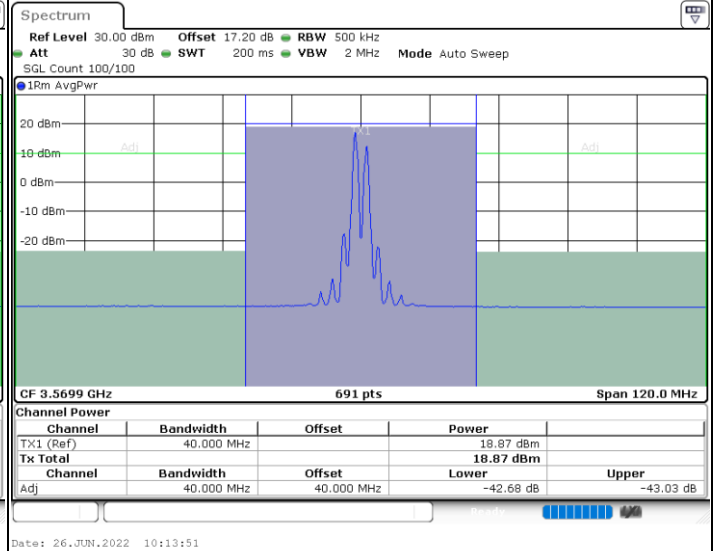
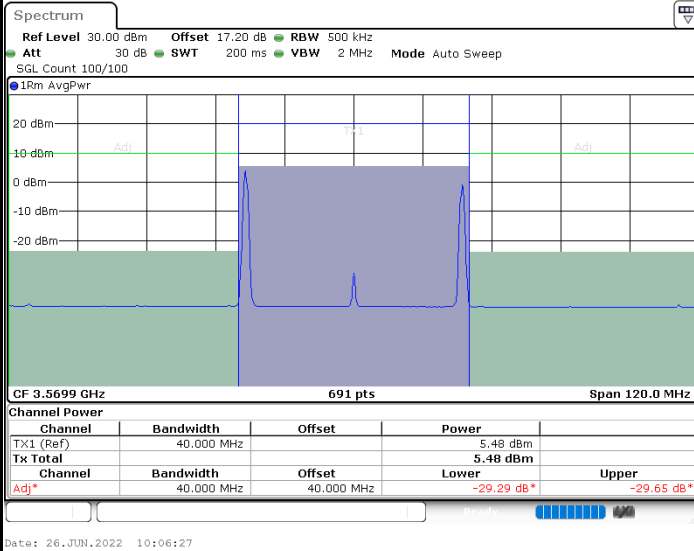


LTE Band 48C / 20MHz+20MHz

QPSK

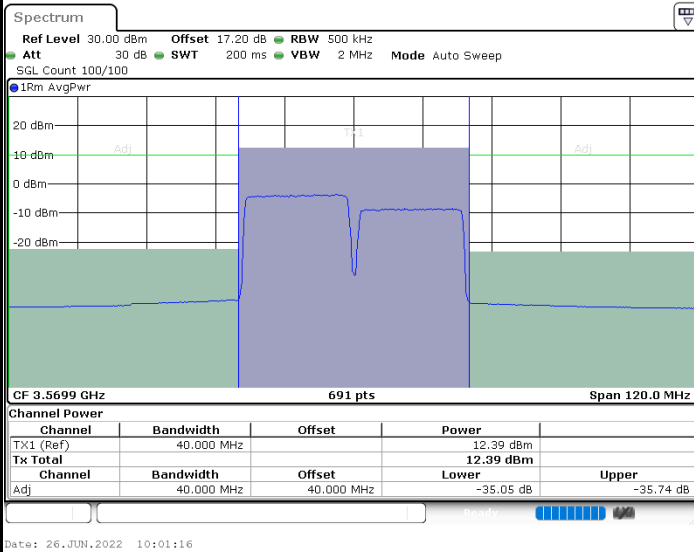
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



Lowest Channel / FullRB

N/A



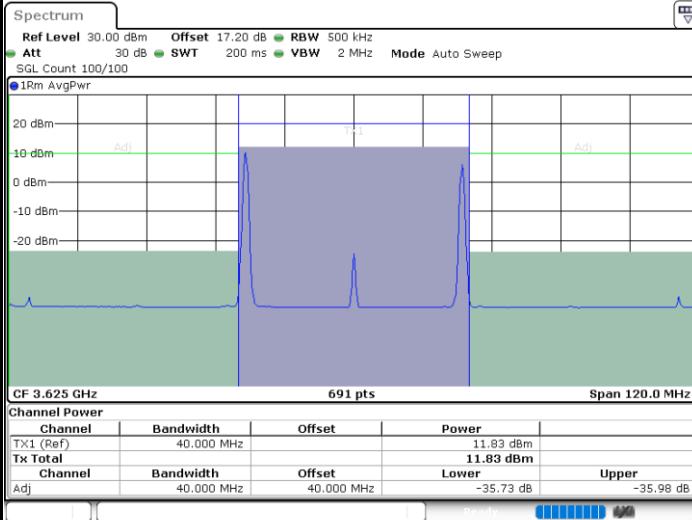


LTE Band 48C / 20MHz+20MHz

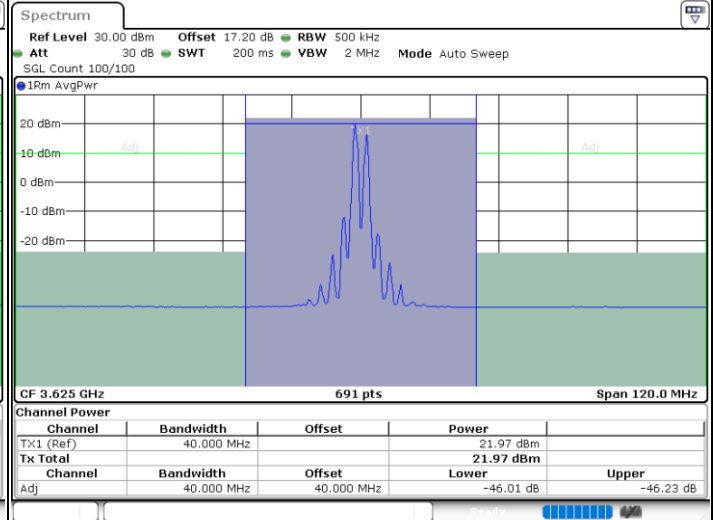
QPSK

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



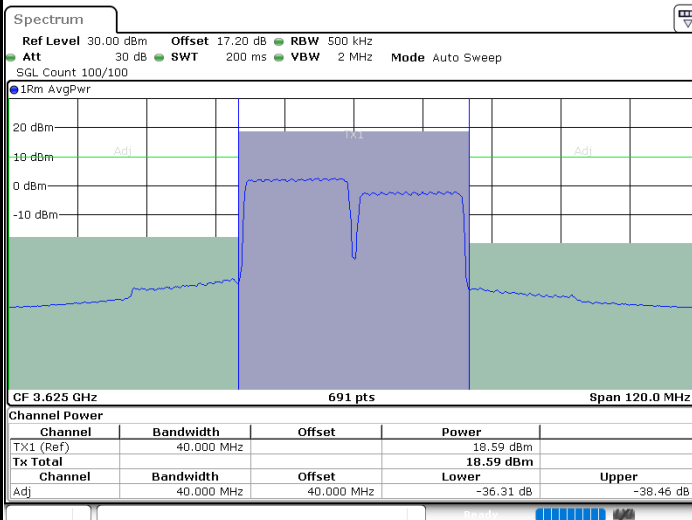
Date: 26 JUN 2022 10:31:18



Date: 26 JUN 2022 10:38:42

Middle Channel / FullRB

N/A



Date: 26 JUN 2022 10:26:08

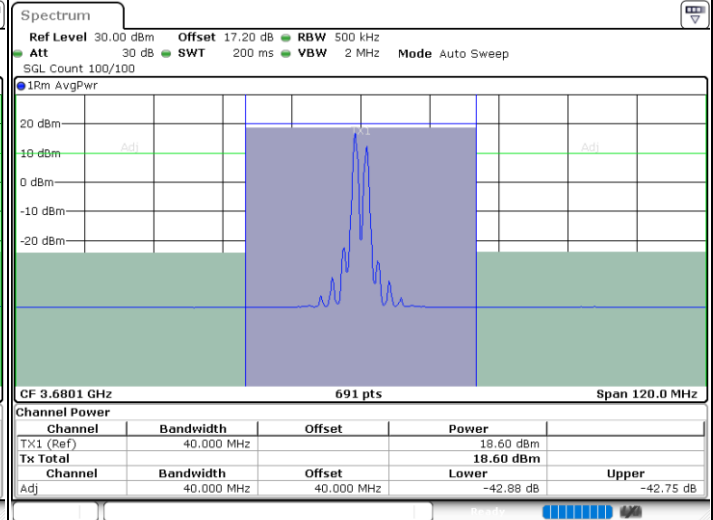
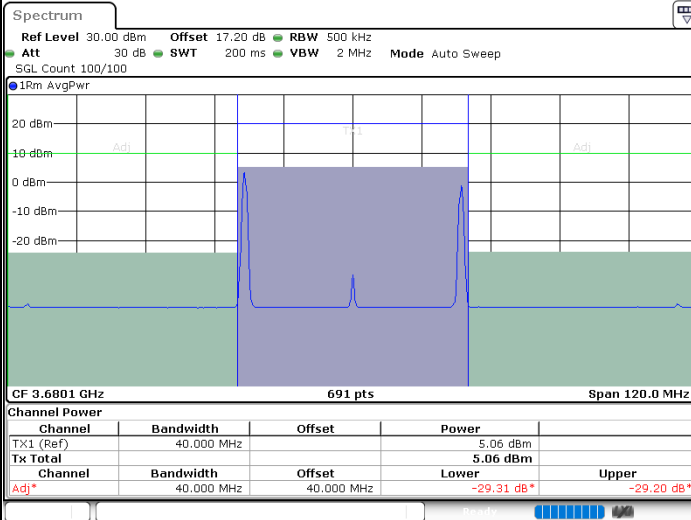


LTE Band 48C / 20MHz+20MHz

QPSK

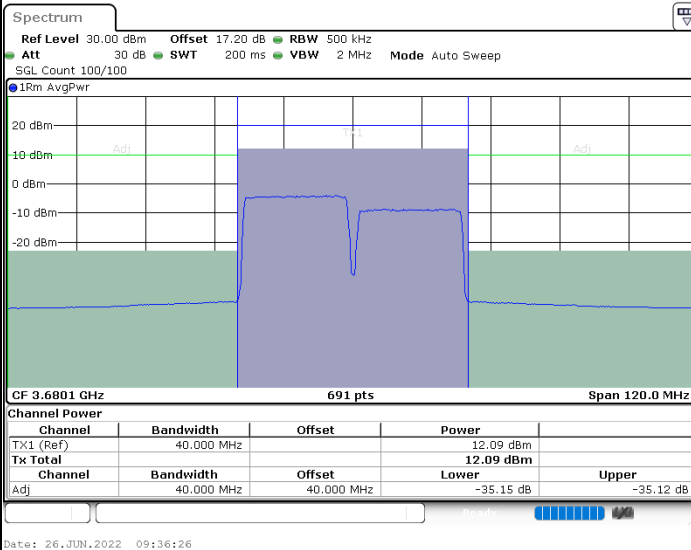
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Highest Channel / FullIRB

N/A



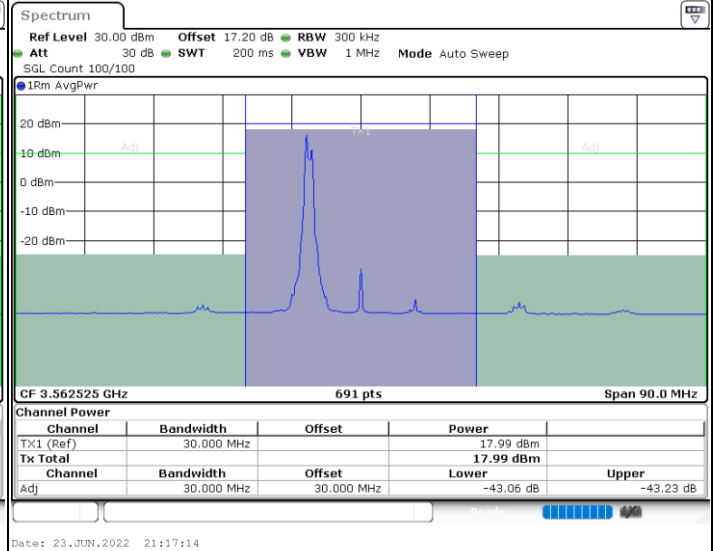
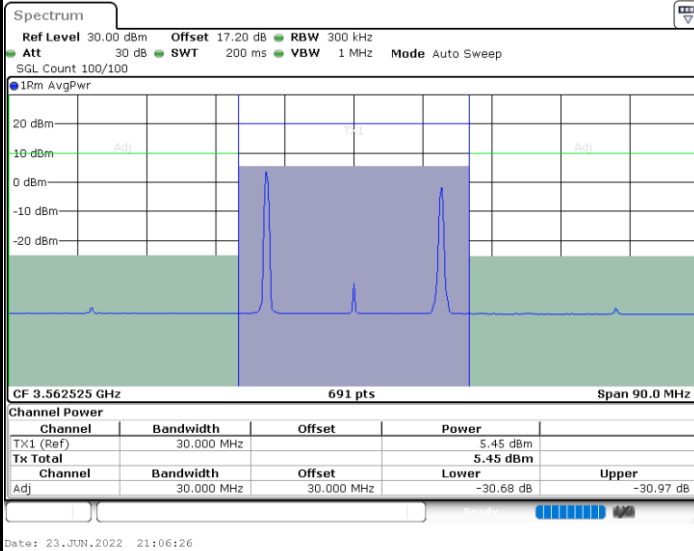


LTE Band 48C / 5MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



Lowest Channel / FullRB

N/A

